CONSTRUCTION NEWS

Engineering News-Record, April 16, 1925

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Roads, Toronto, Ontario, Dept. Provincial Highways plans expending $5,000,000 on maintenance and construction.

Highway and bridge, Augusta, Maine, State Highway Dept. voted $3,000,000 bonds for highway and railroad bridge across Kennebec River.

Office, Detroit, Mich., Book Estate having plans prepared, $3,000,000.

Water works improvement, Knoxville, Tenn., plans water works improvement, $2,500,000.

Temple, New Orleans, La., Masonic Association plans temple, $2,250,000.

Hotel, office and theatre, Chicago, Ill., L.O.O.M. plans building, $2,000,000.

Apartment, Dallas, Tex., E. E. Parkhurst having plans prepared, $1,250,000.

Hard surfacing roads, Union City, Tenn., Obion Co. plans to vote bonds, $1,000,000.

Hospital, Los Angeles, Calif., Good Samaritan Hospital having preliminary plans prepared, $1,000,000.

Theatre and office, San Antonio, Tex., W. J. Lytle having plans prepared, $1,000,000.

Water works, Okmulgee, Okla., plans election $1,000,000 bonds for water works, including dam or reservoir.

Hotel and stores, Baltimore, Md., I. Silberstein having preliminary plans prepared, $1,000,000.

Bid Received On Large Job

High School, Cleveland Heights, O., Bd. of Educ. received from Schirmer-O'Hara of Cleveland, $1,035,252.

Large Contracts Let During Week

Power Plant, New Braunfels, Tex., Comal Power Co. to U. G. I. Contg. Co., $3,000,000.

Sub-station, Trenton, N. J., Pub. Service Corporation—work done by separate contract, $2,000,000.

Club, Boston, Mass., University Club to W. A. and H. A. Root, $1,750,000.

Hotel, Del Monte, Calif., Del Monte Properties Co. to Lindgren-Swinerton, Inc., $1,500,000.

Office, Toronto, Ont., to Jackson Lewis Constr. Co., $1,500,000.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Mass., Lawrence—Morris Knowles, Inc., Westinghouse Bldg., Pittsburgh, Pa., engrs., take bids in May, for 3 acre covered slow sand filter, here, for City. Bids for additional boiler and pumping equipment will be received in spring or summer. Noted Mar. 26.

Mass., Saugus—Town appropriated $25,000, extending mains in various streets. Bd. Selectmen, Saugus, engrs.

N. J., Trenton—Bd. Aldermen plans to purchase motors, pumps, transformers, etc., for pumping station. $45,000. J. Kelly, pres. Engineer not selected.

Fla., West Palm Beach — West Palm Beach Water Co., plans 9 m.g. coagulation basin, electric operated dredge, 8 m.g. steam turbine pump and 200 hp. new steam boiler. $500,000. R. E. Dougherty, supt.

Tenn., Knoxville—Making plans waterworks improvements. $2,500,000 bonds voted. Alvord, Burdick & Howson, 8 South Dearborn St., Chicago, Ill., consult. and designing engrs. Noted Jan. 8.

Tenn., Trezevant—Plans election $20,000 bonds for waterworks improvements.

O., Cincinnati—Hamilton Co. plans 22,494 ft. 6 and 8 in. c.i. mains in Water Supply Line 11, Dists. 4 and 5 (Mudd Creek, Anderson, Ferry and Foley Rds.). $51,446. L. C. Boyatt, Court House, engr.

Ia., Sioux City—Plans 300,000 gal. steel tank on tower for water storage in Morningside. $19,500. L. N. Hintgen, city engr.

Neb., Bridgeport — Making preliminary plans water mains and distribution system, also sanitary sewers in various streets.

Ark., Siloam Springs — Plans extending mains in about 25 blocks various streets.

Okla., Altus—Making preliminary plans addition to waterworks, incl. diversion dam on Bitter Creek and pumping station on Red River. $30,000. M. M. Oates, Altus, engr.

Okla., Collinsville — Defeated $125,000 bonds for waterworks extensions and improvements. Noted Apr. 2.

Okla., Eufaula — Making preliminary plans new 500,000 gal. filtration plant and equipment. $20,000. L. D. Matter, Henryetta, engr.

Okla., Henryetta — Making preliminary plans two new units to filtration plant, additions to pumping equipment and storage supply. $40,000. Engineer not selected.

Okla., Holdenville—Voted $128,000 bonds, new reservoir, pumps, motors, mains, valves and hydrants. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Apr. 9.

Okla., Morrison—Soon takes bids about 5 mi. 4- to 8-in. mains, 40,000 gal. tank on 75 ft. tower, pumping equipment, etc. H. G. Olmsted & Co., Oklahoma Bldg., Oklahoma City, engrs.

Okla., Newkirk — Voted $115,000 bonds for 27,000 ft. 10 in. c.i. pipe line, new well, motor driven pumps, transmission line, etc. F. B. King, Grain Exch. Bldg., Oklahoma City, engr. Noted Mar. 19.

Okla., Okmulgee—Plans election soon $1,000,000 bonds for waterworks, incl. dam or reservoir, etc. W. E. Carpenter, city comr. Noted Jan. 22.

Okla., Porter—Making preliminary plans 3,400 ft. 4- to 8-in. c.i. main extensions, etc. $20,000. T. P. Clonts, 2110 Garland St., Muskogee, engr.

Okla., Spiro—Making preliminary plans new waterworks, incl. 4 deep wells, pumps, motors and new reservoir. $20,000. Engineer not announced.

Ariz., Phoenix—Salt River Valley Water Assn. voted $450,000 bonds 20 additional wells and pumping facilities on Salt River Project. C. C. Cragin, Phoenix, engr. Noted Mar. 26.

Wash., Aberdeen—Voted $700,000 bonds pipe line from Wishkah River water supply to canyon of Wynooche River to extend city's present water system.

Calif., Wasco — Plans election bonds to exceed $25,000, for water system.

Ont., Forest—Plans 25,000 ft. 6- to 12-in. c.i. mains in various streets, pumps, pumphouse, hydrants, etc. $90,000. J. Bell & Son, Court House, St. Thomas, engrs. Noted Mar. 26.

BIDS DESIRED

Massachusetts—Apr. 23, by Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, 7,380 lin.ft. 56 in. Hammerweld or lock bar steel pipe, or 60 in. riveted steel pipe together with necessary appurtenances and connections in Arlington and Somerville. $70,000 bonds. J. R. Rablin, comr.

Mass., Boston—Apr. 15, by Dept. Pub. Wks., laying and relaying mains in Alpheua Rd., Harrison and Weeks Aves., Bates, Beech, Jeffers and Mansfield Sts. $15,000. J. A. Rourke, comr.

N. Y., New York — Apr. 20 by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in 107th, 120th, 218th, 242nd, 243rd and 244th Sts., Snell, 32nd, 43rd and 44th Aves.

N. J., Westwood—See "Streets & Roads."

Pa., Ashland—Apr. 30, by A. B. Schadel, secy. Council, earth fill dam, on branch of Little Mahonoy Creek. Gannett, Seelye & Fleming, Engineers, Inc., 1 North Market Sq., Harrisburg, engrs.; adv. E. N.-R. Apr. 16.

N. C., High Point — May 7 (extended date) by J. W. Hedrick, mayor, and City Council, waterworks improvements. W. C. Olsen, Raleigh, consult. engr.; adv. E. N.-R. Apr. 16. Noted Apr. 9.

Ala., Selma — Morris Knowles & Co., engrs., Westinghouse Bldg., Pittsburgh, Pa., taking bids filtration plant, here, for City. $65,000.

Ky., Olive Hill—Apr. 20, by City Council, waterworks and sewerage system. Gillig & Churchill, Lexington, Ky., engrs.

O., Cleveland—Apr. 22, by Comrs. Cuyahoga Co., 8,500 ft. 6 and 8 in. c.i. mains in Highland Park subdivision. To exceed $25,000. F. R. Williams, Court House, engr.

O., Painesville—Apr. 23, new 35 x 80 ft. pump room, 35 x 35 ft. filter building addition, three 20 x 24 ft. concrete basins, 12 ft. deep, gravity sand fillers, connections and piping. Hadlow, Hick & Co., Finance Bldg., Cleveland, engrs. Noted Dec. 25.

Mich., Detroit—Apr. 28, by Bd. Water Comrs., 176 East Jefferson Ave., test borings on Belle Isle, in American channel of Detroit River, within Waterworks Park, along Pennsylvania, Forest, Grand River and Warren Aves., etc. G. H. Kenkell, ch. engr.; adv. E. N.-R. Apr. 16.

Ill., Carbondale—Apr. 20, by City Clerk, pumping equipment, tank on tower, filtration plant, mains, etc. $375,000. P. B. Wilson, Marion, engr.

Ill., Chicago—Apr. 22, by Comrs. Pub. Wks., City Hall, one 36 in. Butterfly check valve and one 36 in. electrically operated gate valve for Central Park pumping station, and one of each of above for Springfield Ave. pumping station; also two hundred 3 in., one hundred 4 in., two hundred 6 in., five hundred 8 in., and one hundred and fifty 12 in. Standard gate valves. J. Ericson, City engr.

Wis., Manitowoc—City taking bids approximately 10,000 ft. 4- to 10-in. c.i. water pipe. A. H. Zander, city clk.

Wis., Whitefish (Milwaukee P. O.)—Apr. 20, by W. Volkmann, village clk., 5,000 ft. 6 and 8 in. c.i. mains in various streets. $15,000. T. F. Buckley, Village Hall, clk.

Minn., Stillwater—May 4, by Bd. Water Comrs., steel standpipe and rein.-con. $30,000. J. A. D. Abercrombie, city engr. Noted Mar. 26.

Minn., Waseca—May 5, by Water & Light Bd., H. E. Isker, mgr., drilling about 770 ft. well, constructing wellhouse and deep well pump and connect piping with water mains, etc. Toltz, King & Day, Builders Exch., engrs.

Tex., Paris—City Clerk and W. J. Hicks, city engr. taking bids 750,000 gal. capacity filter bed. $50,000.

Tex., Wichita Falls—W. M. Priddy, Oil Exch. Bldg., taking bids waterworks improvements, mains, pumping equipment in Westmoreland Park Addition. $35,000.

Waterworks (Continued)

Montgomery & Ward, 1016 City Natl. Bank Bldg., engrs.

Okla., Wewoka—Taking bids waterworks and sewer improvements, incl. mains, wells, new pumping equipment, disposal plant, etc. $200,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Feb. 5.

Calif., Los Angeles—Apr. 27, by Bd. Pub. Wks., 1 triplex pump and motor. H. A. Van Norman, City Hall, engr.

Que., St. Lambert — City in market for complete mechanical gravity filter plant.

BIDS RECEIVED

Mass., Boston—Supply Dept., F. P. Rock, supt., Apr. 2, twelve 36 in. gate valves, from Atlantic Wks., 80 Border St., East Boston, $1,690; 1,200 tons 48 in. c.i. pipe, from B. Micoll & Co., Inc., 294 Madison Ave., New York City, $51 per ton, all for Pub. Wks. Dept., Water Serv. Noted Mar. 26.

N. J., Trenton — City Comn. City Hall, Apr. 3, from Natl. Water Equipment Co., 50 Church St., New York City, 1,500 ft. ¾ in. curb stops $0.95; from G. and H. Supply Co., Brunswick and Southard Sts., 2,000 ¾ in. corporations $2.11, 25 service boxes $2.88; from Mueller Co., Inc., 145 West 30th St., New York City, 100 ft. 1 in. curb stops $1.30; from S. E. T. Valve Co., 50 Church St., New York City, one thousand ¾ and 1 in. service boxes $1.30; from R. D. Wood Co., 400 Chestnut St., Phila., Pa., 50 tons c.i. pipe $53.30; and from U. S. Cast Iron Pipe & Fdry. Co., Morris Bldg., Phila., Pa. 50 tons c.i. pipe $53.30, 225 tons c.i. pipe $51.30. Noted Mar. 26.

O., Cincinnati—Director Pub. Serv., relining west basin of Eden Park Reservoir with 300,000 sq.ft. concrete gunite, from W. S. Rae, Oliver Bldg., Pittsburgh, Pa., $142,850. Engrs. est. $175,000. Noted Mar. 26.

Calif., Monrovia—Buena Vista Domestic Water Co., c/o W. E. Bushnell, secy., 19,740 ft. 4- to 8-in. riveted steel pipe and fittings in various streets, from Lacy Mfg. Co., Washington Bldg., Los Angeles, 14 gauge pipe at $11,131 and 16 gauge pipe $9,588. Noted Apr. 2.

Calif., South Pasadena — City Trustees, Mar. 28, repairing Garfield Ave. reservoir, approximately 1,100 cu.yd. rein.-con. wall, remove portion of present roof, Gunite flooring, etc., from J. A. Alexander, 1721 East 20th St., Los Angeles, $49,500. Engrs. est. $45,000.

CONTRACTS AWARDED

Mass., Bridgewater—Bd. Water Comrs., standpipe, to Pittsburgh-Des Moines Steel Co., Curry Bldg., Pittsburgh, Pa., $28,000. Noted Apr. 9.

O., Cincinnati—Director Pub. Serv., 750 ft. 36 in. c.i. pipe for Eden Park Reservoir, to U. S. Cast Iron Pipe & Fdry. Co., Addyston, $10,334. Engrs. est. $10,000. Noted Apr. 9.

O., Cincinnati — Hamilton Co., 3,650 ft. 16 in. c.i. mains in Water Supply Line 7, Dist. 1 (Silverton), Contr. 2, and 10,000 ft. 8 in. c.i. mains in Water Supply Line 8, Dist. 2 (White Oaks) Contr. 1, to J. Dempsey, 2314 Kenton St., $20,570 and $24,173 respectively, engrs. est. $22,600 and $28,495 respectively; 7,838 ft. 6 and 8 in. c.i. mains in Water Supply Line 9, Dist. 1 (Montgomery Rd.) to W. Hennigan, 7011 Montgomery Rd., Norwood, $15,937 engrs. est. $18,837. Noted Apr. 9.

Ill., Shelbyville—City, 100,000 gal. tank on tower, one 700 g.p.m. and one 500 g.p.m. motor driven centrifugal pump, foundation for pumping equipment, 4,200 ft. electric transmission line, etc., to Merkel Contg. Co., 100 Davidson Bldg., Kansas City, Mo., $120,000 which includes purchase of private plant, and also $6,600 cash refund to city leaving net price $113,400 for plant and new work. Above work to be paid for in water certificates. Noted Mar. 10.

Wis., Madison—City, c/o L. L. Smith, supt., extending main feeder for new proposed reservoir, etc., to O'Dea & Schafer, 1019 Oregon St., $25,789. Engrs. est. $32,707. Noted Mar. 5.

Minn., Minneapolis — F. S. Gram, city purch. agt., 1,040,000 common brick, to Minneapolis Sand Lime Brick Co., 3400 Main St. N. E., $11 per M; 497,915 exterior face brick, to Twin City Brick Co., 816 First Natl.-Soo Line Bldg.; 15,000 firebrick, to Landers - Morrison - Christenson Co., 800 Builders Exch. Bldg., $32.175 per M; 294,593 interior face brick, to Belt Line Brick Co., 1200 Builders Exch. Bldg. Noted Mar. 26 under "Material and Equipment."

Minn., Minneapolis — F. S. Gram, city purch. agt., 2 Venturi meters for Water Dept., to Builders Iron Fdry. Co., 9 Coddington St., Providence, R. I., $1,677. Noted Mar. 19.

Kan., Anthony—For 500 kw. turbine generating unit, to General Electric Co., Dwight Bldg., Kansas City, Mo., $16,290; and surface condenser, to Worthington Pump & Mchy. Corp., 825 Scarritt Bldg., Kansas City, Mo., $5,122.

Wash., Tacoma—Light & Water Dept., 5,303 lin.ft. 60 and 66 in. steel pipe, to Willamette Steel Pipe Co., Portland, $63,849.

Ont., Toronto—To Natl. Iron Corp., foot Cherry St., ninety-one 12 ft. lengths 20 in. c.i. pipe $57.75 per length, 20 in. c.i. ¼ bends $41.25, and 20 in. ⅛ bends $37.50; to W. G. Armstrong, Whitworth & Co. Ltd., Newcastle-on-Tyne, England, one 10 m.g. 3 stage high pressure centrifugal pump $55,967, and one 10 m.g. 3 stage centrifugal low pressure pump $18,312; to Turbine Equipment Co., Ltd., 73 King St. W., one 400 hp. steam turbine $16,500; to Lamoreux-Kelly Co., Ltd., Montreal, Que., one 8 ton steam road roller $3,950; to J. Inglis Co. Ltd., Strachan Ave., 3 m.g. sewage sludge pump with motor $8,770.

Sewers

PROPOSED WORK

Conn., Waterbury—Plans to issue $100,000 bonds for storm water drainage, and $650,000 bonds for sewerage system expansion. R. A. Cairns, city engr.

O., Columbus—See "Streets and Roads."

Mich., Detroit — Made plans vitr. crock sewers 1,568 ft. 12- to 20-in. Lateral 4325; 14,151 ft. 12- to 24-in. and 119 ft. 30 in. 2 ring brick section Lateral 4326; 2,749 ft. 12- to 18-in. Lateral 4329; 3,582 ft. 12- to 18-in. Lateral 4332; 2,322 ft. 12- to 15-in. Lateral 4336; 349 ft. 12- to 15-in. Lateral 4337; 5,230 ft. 12- to 24-in. Lateral 4340; 465 ft. 12 in. Lateral 4343; 483 ft. 12- to 15-in. Lateral 4346. G. Jerome, city engr.

Mich., Royal Oak—Made plans sewer in Lateral Sanitary Dist. 48, 7,331 ft. 8 in. vitr. pipe, and House Connection Sect. 1, 6,220 ft. 6 in. vitr. pipe. Hoad, Decker, Shoecraft & Drury, Ann Arbor, engrs.

Neb., Bridegport—See "Waterworks."

Ark., Hot Springs—City and U. S. Interior Dept., Wash., D. C., making preliminary plans sanitary trunk sewer in U. S. Reservation and vicinity. $50,000. C. Smith, city engr.

Ark., Lepanto—Making preliminary plans sanitary sewerage system and disposal plant. $60,000-$80,000. T. H. Allen, 1430 Bank of Commerce & Trust Bldg., Memphis, Tenn., engr.

Ark., Parkin—Soon takes bids 24,382 ft. 6- to 12-in. vitr. clay sewers, etc., in various streets. $28,000. T. H. Allen, 1430 Bank of Commerce Bldg., Memphis, Tenn., engr.

Tex., Liberty—Making preliminary plans sewers in various streets. $60,000 bond election soon. Terrell Bartlett Engineers, 612 Calcasieu Bldg., San Antonio, engrs.

Tex., Rockwell—Election Apr. 28, $37,500 bonds complete sewerage system. Municipal Eng. Co., Praetorian Bldg., Dallas, engrs.

Okla., Holdenville—Voted $93,000 bonds for 3 mi. outfall sewers and 2 sewage disposal plants, 7,000 ft. 15 in. and 8,000 ft. 12 in. vitr. clay pipe, etc. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Apr. 9.

Okla., Porum—Making preliminary plans 10,600 ft. 6- to 10-in. vitr. clay sewers etc., in Main, Haskel and Cherokee Sts., septic. $25,000. Engineer not announced.

Okla., Spiro—Making preliminary plans 4 mi. outfall sewers, disposal plant, septic tank, etc. $25,000. Engineer not announced.

Calif., Dunsmuir—Plans election $200,000 or more bonds, sewerage system. C. C. Kennedy, Call Bldg., San Francisco, engr.

Calif., Oceanside—Plans election approximately $150,000 bonds, for sanitary sewer in Topeka St. territory.

Calif., San Francisco — City and San Francisco Co. plans sewers in 6th St. $75,000. M. M. O'Shaughnessy, city engr.

Calif., San Francisco — City and San Francisco Co., making plans for sewers in College Hill, $300,000, Fillmore and McAllister Sts., $650,000; Sunset Dist. (westerly) sewer, $400,000; and Sunset Dist. (central) sewer, $115,000. M. M. O'Shaughnessy, city engr.

Calif., San Francisco — City and San Francisco Co. made plans sewers in Canal St. $15,000, 3rd St. $100,000, Ingleside $6,000; and extending sewers in various streets, $50,000, Guttenburg St. $11,000. M. M. O'Shaughnessy, City Hall, engr.

Ont., Crystal Beach — Plans 10,000 ft. vitr. tile sewers in various streets. $30,000. E. H. Darling, 47 Home Bank Bldg., Hamilton, engr.

Ont., Toronto—East York Twp., Sammon Ave. Municipal Yard, plans 6,000 ft. concrete and vitr. clay sanitary sewers 12 in. up in Poullon Ave. $9,889, and Gowan Ave. $26,400. G. R. Jack, twp. engr.

Ont., Toronto—York Twp. making plans 9,000 ft. 21- to 33-in. sanitary and storm sewers in Oakwood Ave. to Arlington Ave. $36,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

BIDS DESIRED

Mass., Boston — Apr. 17, by Dept. Pub. Wks., sewers in Ipswich St., in Roxbury; Apr. 21, in Church St., Pierpont and Burwell Rds., in West Roxbury. $25,000. J. A. Rourke, comr.

Mass., Boston — Apr. 23, by Dept. Pub. Wks., sewers in Cambridge and Court Sts. $50,000 bonds. J. A. Rourke, comr.

Mass., Needham—Apr. 17, at office Town Clerk, Town Hall, sewers in Sects. 1 and 2. $25,000. Barbour & Dixon, Tremont Bldg., Boston, engrs.

Conn., Norwalk—Apr. 30, at office of City Engineer, vitr. sewers in Connecticut and Taylor Aves. T. R. Robins, mayor; adv. E. N.-R. Apr. 16.

Conn., Wallingford—Apr. 30, by J. P. Bridgett, warden, and Court of Burgesses, Boro Office, tile sewers, concrete grit chambers, Imhoff tanks and sludge beds. W. A. MacKenzie, boro engr.; adv. E. N.-R. Apr. 16.

N. Y., Brooklyn—Apr. 22, by J. A. Guider, boro pres., Boro Hall,, sewers in Ave. I, Elmwood Ave., East 8th, 5th and Maple Sts.

Mass., Boston — Apr. 16, by Pub. Wks. Dept., Sewers in various streets in Hyde Park and Dorchester; Apr. 17, in Roxbury; and Apr. 21, in West Roxbury. $25,000. J. A. Rourke, comr.

N. Y., Sloan—Apr. 25, by Bd. Trustees, sewers in various streets. To exceed $65,000. G. Diehl, Ellicott Sq., Buffalo, engr.

N. J., Westwood — See "Streets and Roads."

Ky., Louisville — May 8, by Comrs. of Sewerage, M. H. Crawford, chn., Board Trade Bldg., 3rd and Main Sts., constructing 38th St.-Duncan St. Dist. Sewer. J. B. F. Breed, ch. engr.; adv. E. N.-R. Apr. 16.

Ky., Olive Hill — See "Streets and Roads."

O., Leetonia—Apr. 30, by L. E. Fisher, village clk., sewage disposal plant; adv. E. N.-R. Apr. 16.

Ill., Alton—Apr. 18, by Dept. Pub. Wks., connections, laterals, manholes and 1,120 ft. 10 in. vitr. clay sewer in Hunter Court. $26,000. J. E. Schwaab, city engr. Noted Feb. 26 under "Streets and Roads."

Ill., Morris — Apr. 30, by City Clerk, sewers in 4th Ward. $26,000. Consoer, Older & Quinlan, 140 South Dearborn St., Chicago, engrs. Noted Mar. 26.

Ill., Springfield—May 15, by Bd. Trustees Springfield Sanitary Dist., City Hall, sanitary and intercepting sewers in Divs. A, B, C and D, here, and Sangamon Co. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, engrs.; adv. E. N.-R. Apr. 16.

Wis., Oshkosh — Apr. 23, by Bd. Pub. Wks., storm and sanitary sewers in 10 streets. To exceed $25,000. G. Randall, City Hall, engr.

Minn., Bloomington (Minneapolis P. O.) —Apr. 20, by Rose & Harris, engrs., Natl. Life Bldg., Minneapolis, 2,360 ft. 15- to 21-in. sewers, etc., for Minnesota Masonic Home. $25,000.

Tex., Wichita Falls—W. M. Priddy, Oil Exch. Bldg., taking bids sewers, mains, etc., in Westmoreland Park Addition. $35,000. Montgomery & Ward, 1016 City Natl. Bank Bldg., engrs.

Okla., Wewoka—See "Waterworks."

Calif., Glendale—City Clerk taking new bids intercepting outfall sewerage system, Sects. 4 to 12 (inclusive), 91,528 ft. 8- to 24-in. vitr. or concrete pipe, etc. Burns-McDonnell-Smith Eng. Co., 415 Marsh-Strong Bldg., Los Angeles, engrs. Noted Mar. 26.

Calif., San Francisco—See "Streets and Roads."

BIDS RECEIVED

N. Y., Brooklyn — J. A. Guider, boro pres., Boro Hall, Apr. 8, **(e. e. means engrs. est.)** from Nazzarro & Guerriero, Inc., West 9th St., sewer in Linden Ave. 81.81% e. e. $69,936, East 29th St. 70.61% e. e. $2,406, Ave. L 70% e. e. $2,224; from Tomassetti & Co., Inc., 1133 60th St. Belmont Ave. 72.72% e. e. $40,252; from C. Vacharas, 645 40th St., 6th St. 93.75% e. e. $6,871; from A. W. Matarazo, 71st St. 69.75% e. e.

Sewers (Continued)

$2,741, 7th Ave. 72.5% e. e. $1,438. Noted Apr. 2.

N. J., Trenton—Bd. City Comrs., Apr. 10, sewage disposal plant, from J. P. White Co., Washington Pl., Passaic, $992,683. Noted Mar. 26.

Wis., Milwaukee—Dept. Pub. Wks., from H. O. Schaefer, 1149 East Mason St., Green Bay, sewers in Ellen St., 695 ft. 8- to 15-in. combined pipe $1,551, Highland Ave., 1,008 ft. 12 in. pipe $1,768, Wyoming Pl., 825 ft. 12 in. pipe $1,486, 10th Ave., 2,498 ft. 8 in. vitr. and 2,698 ft. 12- to 24-in. rein.-con. pipe $11,630, 36th St., 380 ft. 12 in. storm and 361 ft. 8 in. sanitary $1,607, Sycamore St., 1,050 ft. 8 in. storm and 1,044 ft. 12 and 15 in. sanitary, $3,826; from W. T. Werner, 675 Hi-Mount Blvd., Oklahoma Ave., 1,380 ft. 8- to 12-in. sanitary, 960 ft. 12 in. storm and 402 ft. 27 in. rein.-con. pipe, $6,886; from Wenzel & Henoch Co., 498 27th St., Clybourn St., 1142 ft. 8 in. sanitary, 544 ft. 12 and 18 in. storm, 864 ft. 24- to 36-in. rein.-con. storm pipe $9,939, Richards St., 2,863 ft. 54 and 60 in. monolithic sewer tunnel, etc. $92,272; from J. Brogan & Sons, 700 Dousman St., Green Bay, Cedar St., 219 ft. 12 in. combined pipe $1,489, 38th St., 397 ft. 8 in. each storm and sanitary sewers, $2,189; from G. E. Zimmermann, 3402 Grand Ave., Keefe Ave., 2,130 ft. 30- to 42-in. rein.-con. storm, etc., $53,126; from F. E. Kaminski, 745 46th Ave., West Allis, American Ave., 4,060 ft. 8- to 21-in. vitr. pipe, $8,665; from F. Doherty Co., 37th St. and Fond du Lac Ave., Auer Ave., 4,165 ft. 42- to 84-in. monolithic concrete sewer tunnel, 163 ft. 18- to 36-in. concrete pipe, etc., $179,174.

Wis., Milwaukee — J. H. Fowles, secy. Metropolitan Sewerage Comn., 508 Market St., Apr. 3, from U. S. Cast Iron & Fdry. Co., 122 South Michigan Blvd., Chicago, Ill., 83 tons 6, 8 and 12 in. water pipe for Jones Island at $48.60 per ton, and fittings for same $499.40 per ton.

Minn., St. Paul — H. W. Austin, city purch. agt., Mar. 31, Belt Line, Phalen and Hazel Park sewerage system, Contr. B, Margaret-Minnehaha Branch, from Thornton Bros., 318 Endicott Bldg., $347,000. Noted Mar. 26.

Calif., San Diego — A. H. Wright, city clk., Mar. 30, 18,155 ft. 6 and 8 in. concrete sewers in South La Jolla St., from J. N. Chandler, 4067 Van Dyke St., $27,417. Noted Mar. 19.

CONTRACTS AWARDED

N. Y., New York — H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., sewers in Riverdale Ave., etc., to M. Del Balso, 660 East 221st St., $6,610; Mace Ave., etc., to A. Musmeci, 277 East 146th St. $1,888; Seymour Ave., etc., to Slack & Slack Cor., 1621 Yates Ave., $64,020. Noted Apr. 9.

Fla., Largo—Sewers in various streets, to J. B. Crary Constr. Co., Atlanta, Ga., $300,000.

O., Salem—City, enlarging sewage disposal plant, to Lombardi & Bowlus, Akron, $32,368.

Neb., Omaha—To G. Carlson, 2449 Larimore St., 5,855 ft. 8- to 15-in. vitr. clay sewers in Dist. 891 $9,307, 3,730 ft. 8- to 24-in. concrete sewers in Dist. 905 $5,196; to Boyne Constr. Co., 901 9th Ave., Council Bluff, Ia., 1,200 ft. 12- to 24-in. vitr. clay sewers in Dist. 899 $2,353, 963 ft. 8- to 15-in. vitr. clay sewers in Dist. 901 $1,140, 613 ft. 8- to 12-in. vitr. clay sewers in Dist. 900 $687, 605 ft. 8- to 12-in. vitr. clay sewers in Dist. 913 $535, 475 ft. 10 in. vitr. clay sewers in Dist. 911 $570; to Humphrey Bros., 4420 Leavenworth Ave., 3,750 ft. 8- to 24-in. virt. clay sewers in Dist. 906 $4,525, 1,475 ft. 8- to 24-in. vitr. clay sewers in Dist. 907 $4,160.

Calif., Los Angeles—For 1,500 ft. cement sewer in Central Ave. between Florence and Manchester Aves., to J. Chutuk, 343 Wilcox Bldg., $138,118. Engrs. est. $187,647. Noted Apr. 9.

Ont., Toronto—See "Waterworks."

Waste Disposal

PROPOSED WORK

N. J., Trenton — Hamilton Twp. Com. making plans 2 furnace incinerator, $22,000, also tool house $6,000, both brick. C. S. Sincerbeaux, Mechanic Bldg., engrs.

Minn., Minneapolis—Lakewood Cemetery Assn., C. S. Langdon, 1224 First Natl.-Soo Line Bldg., had plans prepared by F. A. Kees, 246 Plymouth Bldg., 2 story and basement, 40 x 80 ft., brick and concrete incinerator. $40,000.

Bridges

PROPOSED WORK

Maine — State Hy. Dept., Augusta, authorized $3,000,000 bonds combination highway and railroad bridge across Kennebec River between Bath and Woolwich. Noted Mar. 19 under "Bath."

Me., South Portland (Portland P. O.)—Portland Terminal Co., Union Station, Portland, plans new bridge at Skunk Hill, here. $125,000.

Mass., Rockdale (Mail Northbridge) — Town of Northbridge appropriated $25,000 for new bridge over Blackstone River, south of here. Engineer not selected.

Conn., Waterbury—Plans to issue $400,000 bonds for bridges over Mad River and over railroad tracks at Huntington Ave. R. A. Cairns, city engr.

O., Cincinnati—Plans placing new steel on 900 ft. bridge, 8th St. $62,712. F. Krug, City Hall, engr.

Ia., Carroll — Carroll Co. making preliminary plans one 100 ft. and two 70 ft. span rein.-con. and steel pony truss bridge with 18 ft. roadway over Coon River. $26,000. J. F. Maher, Carroll, engr.

Ark., Dardanelle—Comrs. Yell and Pope counties election soon $300,000 bonds, bridge over Arkansas River, here. $600,000. State and Federal Aid will pay $300,000 toward cost.

Tex., Dickens—See "Streets and Roads."

Tex., Waxahachie — See "Streets and Roads."

BIDS DESIRED

Virginia—See "Streets and Roads."

Ga., Greenville—Apr. 24, by State Hy. Dept., East Point, concrete and steel bridge and concrete culverts on Greenville-Talbotton Rd., Meriwether Co., 18,801 lb. reinforcing in bridge and 4,889 lb. reinforcing in culverts, etc. W. R. Neel, highway engr.

Alabama—May 13, by State Hy. Dept., Montgomery, bridge over Choctawhatchoo River, near Newton, State Project 83, Dale Co., 167,500 lb. structural steel, 44,600 lb. reinforcing, 5,800 ft. treated timber structures, 1,700 ft. treated timber piles, etc.; bridge over Bear Creek, on Mergerum-Mississippi State line Rd., State Project 47-A, Colbert Co., 140,319 lb. structural steel, 66,250 lb. reinforcing, 60,061 ft. treated timber structures, 1,900 ft. treated timber piles, etc.; bridges on road from Athens to Federal Aid Project 49, State Project 19, Limestone Co., 149,320 lb. reinforcing, etc.; bridges on Huntus Station-Chilton Co. line Rd., Montgomery and Autauga Counties, 1,844 cu.yd. concrete, 292,535 lb. reinforcing, etc. W. S. Keller, highway engr.

Wis., Fond du Lac — See "Streets and Roads."

Wis., Green Bay—Apr. 21, by Highway Comn., Green Lake Co., Court House, 10 and 22 ft. steel and concrete slab span bridge on Bond Rd. 29; 8 ft. steel and concrete slab span bridge and 37 rein.-con. culverts on Bond Rd. 28; 2 rein.-con. culverts on Bond Rd. 34, 7 rein.-con. culverts on Bond Rd. 36, 1 rein.-con. culvert on Dalton-Portage (Old Military) Rd., and 1 rein.-con. culvert on Dover St. in city of Princeton. D. C. Williams, comr.

Tex., Alpine—See "Streets and Roads."

Tex., Franklin—See "Streets and Roads."

Tex., Sweetwater—May 5, by Nolan Co., concrete bridges on 7.6 mi. State Highway 70, Federal Aid Project 534-A. $35,000. J. A. Focht, Sweetwater, engr.

Nev., Verdi—Apr. 22, by Directors Dept. Highways, Carson City, 3 bridges and approaches including 70 ft. plate girder on cylinder piers and 100 ft. and 126 ft. steel trusses on concrete abutments or alternates on 70 ft. plate girder on cylinder piers and 91 ft. and 126 ft. rein.-con. arches in Washoe Co., near here. State will furnish cement f.o.b. cars at Verdi. G. W. Borden, highway engr.

BIDS RECEIVED

N. J., Perth Amboy — Bd. Freeholders Middlesex Co., County Record Bldg., New Brunswick, Trunnion bascule span, steel and concrete approach spans over Woodbridge Creek, here, from M. Staub, Pitman, and Kolyn Constr. Co., 417 Commonwealth Bldg., Trenton, $191,651. Noted Mar. 12.

N. J., Red Bank—State Hy. Comn., Trenton, concrete encased girder span highway bridge with 12 spans totaling 921 ft., etc., over Navesink River, near here, from S. S. Thompson, Herbert St., Red Bank, $389,387. Noted Mar. 26.

S. C., Georgetown—Georgetown Co., 596 ft. bridge approaches on State Project S-562, from Sanford Brooks, Charleston, S. C., $75,672; steel superstructure, from Roanoke Iron & Bridge Wks., Roanoke, Va., $31,100. Noted Mar. 12.

S. C., Kingstree—Williamsburg Co., Apr. 2, 5 treated timber bridges over Black River, on State Route 421, State Project S-563, from J. A. Peterson, Montgomery, Ala., $41,777; roadwork, from W. B. Boyle Co., Sumter, $29,591. Noted Mar. 26.

Tex., Albany—See "Streets and Roads."

Tex., Sweetwater — Nolan Co., concrete bridge and box culverts on State Highway 70, from Hannah Constr. Co., Box 994, Waco, $43,379, engrs. est. $30,000; 4 large concrete girder bridges on concrete pile trestle foundations, on State Highway 1, 172,359 lb. reinforcing, 2,964 ft. concrete piling, etc., from Tibbetts Constr. Co., Joseph Bldg., Ft. Worth, $26,175, engrs. est. $51,466.

CONTRACTS AWARDED

Del., Wilmington—Pennsylvania R.R. Co., Broad St. Sta., Phila., Pa., masonry work of railroad bridge over Chesapeake and Delaware Canal, to Vang Constr. Co., Bessemer Bldg., Pittsburgh, Pa. Structure will cost about $650,000, of which ⅔ will be paid by government.

La., Monroe—See "Streets and Roads."

Illinois—Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, bridge on Route 8, Sect. 48-B, Peoria and Knox Counties, to A. P. Munsen, Marion, Ia., $8,035; bridge on Route 36, Sect. 15-B, Pike Co., to F. Wustholtz, Claytonville, $12,649; bridge on Route 31, Sect. 15-B, Schuyler Co., to Adams Constr. Co., Minneapolis, Minn., $17,161; bridge on Route 22, Sect. 13 D, Will Co., to Powers Thompson Constr. Co., Joliet, $137,672. Noted Apr. 2.

Ia., Vinton — Benton Co., 50 items of bridge and culvert work in various parts of county, to Vinton Eng. & Constr. Co., Vinton, $31,950.

Railways

PROPOSED WORK

Connecticut — The Connecticut Co., 185 Church St., New Haven, plans extending about 1.5 mi. single track from present terminus Dixwell Ave. to Whitney Ave. in Hamden. Most of work will probably be done by day labor. M. M. Johnston, div. engr.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Conn., Hartford—Plans public improvement to cover over Gully Brook to reclaim adjacent property. $100,000. R. N. Clark, city engr.

Ont., Chatham—Dover Twp. plans repairing and clearing Whitebread and Boyle drainage systems. $25,000. W. G. McGeorge, Chatham, engr.

Ont., Guelph—Guelph Twp. plans municipal drain, 75,000 cu.yd. excav. $25,000. W. Laidlaw, clk.

B. C., Courtenay—Dominion Government, Ottawa, Ont., takes bids in about 2 months, dredging channel from Comok Harbor Flats to Courtenay River Bridge. $37,500. J. P. Forde, Dominion Bldg., Victoria, engr.

BIDS DESIRED

N. J., Newark—Apr. 20, at office T. L. Raymond, dir. Wks., City Hall redredging section of Newark Channel.

Michigan—May 25, by G. A. Dingman, drain comr. Wayne Co., County Bldg., Detroit, constructing Sexton-Kilfoil drain, 14 sections, each 5,200 ft. long, in Wyandotte and Lincoln Park.

Ia., Storm Lake—Apr. 21, at office W. H Kaufman, Aud. Buena Vista Co., 5 mi. small tile drainge, 36,765 lin.ft. 6- to 16-in. tile. A. H. Cunningham, Storm Lake, construction engr.

Minn., Granite Falls—Apr. 28, by G. H. Wilson, aud. Yellow Medicine Co. (Granite Falls) and R. D. Houderscheldt, aud. Lyon Co. (Marshall), constructing Judicial Ditch 14, 48,100 ft. 7-20-in. tile and 3,435 ft. 30-32 in. double strength tile, 1 bulkhead, 15 intakes. $50,500. J. Norgaard, Granite Falls, engr.

Tex., Bay City—W. E. McNabb, judge, and E. N. Gustafson, engr., Bay City, taking bids protection levee, drainage ditches, spillway, structure and drain pipes, incl. 14,400 yds. earth fill, 2,100 ft. outfall ditch.

Excavation, Drainage, Irrigation, Levees
(Continued)

320 ft. 102 ft. 18- to 42-in. armco pipe, 8 acres clearing and grubbing, etc. $35,000.

Okla., Seminole—Apr. 21, by E. Cooper, clk. Seminole Co., draining and straightening 10 mi. Little River, 36,000 cu.yd. earth and 4,600 cu.yd. rock excav., 118,000 cu.yd. floating dredgework, etc., for Little River D. D. 1. $47,000. H. J. Wilkins, 227 West Grand St., Oklahoma City, engr.

Calif., Tracy — Apr. 29, by Trustees Banta-Carbona Irrigation Dist., rein.-con. road and railroad crossings, also check and turnouts in canal system under Contract 9. To exceed $50,000. W. D. Harrington, Tracy, engr.

Calif., Vista—Apr. 22, by Directors Vista Irrigation Dist., excavate and backfill 475,000 ft. trench for 308,000 ft. concrete pipe from 8- to 36-in. diam., and 167,000 ft. wrapped riveted steel pipe and fittings from 4- to 18-in. diam. for distribution system. K. Q. Volk, Vista, ch. engr.

CONTRACTS AWARDED

New York — K. Fuller, comr. Canal & Waterways, Albany, repairs to Glens Falls feeder and Old Champlain Canal at Ft. Edward Contr. M-7, from J. W. Holler Inc., Ft. Edward, $24,288 engrs. est. $27,267; also repairing to Pendleton Guard Gate, Contr. M-8, from J. Irwin Co., 98 Evan St., Lockport, $6,898. Engrs. est. $6,850.

Ia., Marengo—Iowa Co., to J. W. Ross, Newton, 6,900 ft. levee work, 25,000 cu.yd. levee fill at $0.143 per cu.yd., and 4,400 cu.yd. channel change $0.169. Noted Mar. 19.

Streets and Roads

PROPOSED WORK

Mass., Arlington (Boston P. O.)—Bd. Selectmen plans resurfacing and improving Bway. from Somerville line to Arlington Center. $57,500. State expects to appropriate additional sum. Engineer not selected.

Mass., Dedham—Town appropriated $95,000 for highway and road improvements. Engineer not selected.

Mass., Newton—Dept. Pub. Wks., plans constructing and improving various streets. $818,400 appropriated.

Mass., West Roxbury (Boston P. O.)—Dept. Pub. Wks., Boston, plans constructing Rosindale Ave. and Medford St., here. $25,000. J. A. Rourke, comr.

Rhode Island—State Hy. Comn., Providence, plans additions to highway systems in Scituate, Coventry, West Warwick, Jamestown, North, Cranston and Barrington. $900,000 appropriation asked.

Connecticut—State Hy. Dept., Hartford, plans constructing 3 mi. road connecting State Trunk Highway at Mansfield Center with State Aid Highway, near Atwooodville. $100,000. J. A. MacDonald, comr.

Conn., Waterbury—Plans to issue $200,000 bonds for street improvements. R. A. Cairns, city engr.

New York—Town Bd., Tonawanda, plans widening 11 mi. Delaware Ave. from Kenmore to Tonawanda. To exceed $100,000.

N. J., Carteret—Plans sheet asphalt paving Emerson, Lincoln and McKinley Aves. $27,000. O. Mitchell, town engr.

N. J., Hopewell — Hopewell Twp. Com. plans 2.2 mi. penetration macadam road. $66,000. C. S. Sincerbeaux, Mechanic Bldg., Trenton, engr.

W. Va., Bridgeport — Election Apr. 28, $52,500 bonds, improving 3rd and other streets. F. G. W. England, city recorder.

W. Va., Clarksburg—Harrison Co. plans election $350,000 bonds for roads in Grant Dist. G. L. Coyce, Clarksburg, engr.

W. Va., Point Pleasant—Mason Co. election Apr. 23, $70,000 bonds, improving roads in Robinson Dist.

Fla., Cocoa—Election Apr. 20, $186,000 bonds paving various streets. E. E. Grimes, mayor.

Ala., Florence—Plans to expend $250,000 for street paving, sidewalks, curbing, sewers, etc., in various streets. Noted Feb. 26.

La., Baton Rouge — Soon takes bids grading, gravel surfacing and bridging 14 mi. Rd. Dist. 10. A. G. Mundinger, Baton Rouge, engr.

La., Lafayette—V. E. Smith, city engr., soon takes bids 4 mi. cement sidewalks.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, making surveys improving 3.5 mi. Knoxville-Rutledge Pike, Knox Co. J. G. Creveling, highway comr.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, takes bids probably in May, constructing 4 mi. Millington-Tipton Co. line Rd., Shelby Co., and 10 mi. Clinton-Jellico Rd., Anderson Co.; grading, etc., 10 mi. Pulaski-Columbia Rd., Giles Co. J. G. Crevelling, highway comr. Noted Mar. 26.

Tenn., Cleveland—Bradley Co. and State Dept. Hys. & Pub. Wks., Nashville, plan grading and probably gravel or macadam surfacing, 10 mi. Cleveland-Charleston Rd. Work will probably be done by own forces. $25,000. J. G. Creveling, highway engr.

Tenn., Nashville — Bd. Pub. Wks. soon takes bids asphalt on macadam surfacing 18th Ave. from Division to Belcourt Sts. $47,000. W. W. Southgate, city engr. Noted Apr. 9.

Tenn., Selmer—McNairy Co. voted $200,000 bonds for various state and federal aid roads.

Tenn., Union City — Obion Co. election May 6, $1,000,000 bonds, hard-surfacing various roads. Noted Mar. 12.

O., Akron—Summit Co., takes bids this spring widening 14 mi. Cuyahoga Falls-Chagrin Falls Rd., $40,000; traffic bound slag paving 4.6 mi. Clinton-Greensburg Rd., 16 ft., in Franklin Green Twps. $50,000, 4.3 mi. Clinton-Comet-Hampsher Rd., 16 ft. $43,000, 2.73 mi. Monroe Falls-Kent Walsh Rd., 16 ft., $27,500; asphalt or concrete paving 0.7 mi. South Main St., in Green Twp., 18 ft., $27,500, 1.8 mi. Cuyahoga Falls-Magadore Rd., 18 ft., $63,000; brick paving 0.68 mi. Kenmore-Magadore Rd., 18 ft. $68,000, 1 mi. East Akron-Brimfield St., 30 ft., $34,943; water bound macadam paving 2.1 mi. Rex Hill-Uniontown Rd., 16 ft., $49,000; bituminous macadam or concrete paving 1.17 mi. Swartz Corners-Turkey Foot Lake Rd., 16 ft., $44,500; brick and bituminous macadam paving 2.58 mi. Richfield-Hudson Rd., 16 ft., $111,000; concrete or asphalt on concrete paving 7.86 mi. Twinsburg-Elyria Rd., 16 ft., $300,000; rein.-con. paving 2.75 mi. Akron-Medina Rd., 24 ft., $140,000; improving 5 mi. Akron-Youngstown Rd., $80,000, 1.75 mi. Hametown-Richfield Rd., $25,000, 4 mi. Link connecting Manchester and Greensburg Rd., $40,000, all foregoing 16 ft. R. E. Willems, Court House, engr.

O., Barberton—Bd. Control takes bids in fall, brick paving Norton Ave. $30,000. H. Alcorn, city engr.

O., Canton—Bd. Control, soon takes bids probably asphalt paving 0.75 mi. St. Elmo St., 30 ft. $45,000-$50,000. W. E. Sarver, City Hall, engr.

O., Canton—Plans improving Case Pl. N. W. $30,000, and 14th St. S. W. $30,000; grading, curbing and asphalt paving Irwins Pl., $30,000. W. E. Sarver, City Hall, engr.

O., Cincinnati — Plans grading, curbing, guttering, sidewalks and paving Kellogg Ave., 15,800 sq.yd. vitr. brick and 3,200 cu.yd. concrete, $376,865; 8th St., 8,950 sq.yd. 4 in. granite block and 1,750 cu.yd. concrete, $90,593. F. Krug, City Hall, engr.

O., Cincinnati—Hamilton Co. plans grading and 10 in. bituminous macadam resurfacing 12,000 sq.yd. Rapid Run Pike, $25,390. E. A. Gast, Court House, engr.

O., Cincinnati—Hamilton Co., plans grading and 13 in. bituminous macadam paving, etc. I.C.H. 7 from 3 mi. Rd. to point 3,500 ft. east. $31,300. E. A. Gast, Court House, engr.

O., Columbus — Making plans, grading, laying necessary water services, sewer connections and paving 2,200 ft. Parsons Ave., brick $49,687, asphalt $41,549, 1,124 ft. alleys west of Dennison Ave., Wager and 17th Sts., 20 ft., brick $9,194, concrete $8,112, 1,982 ft. alley north of Reinhard Ave., 12 and 17 ft., brick $13,197, concrete $11,665, 442 ft. alley north Whittier St., 15 ft., brick $2,659, concrete $2,349; 7,710 ft., 6 and 8 in sanitary sewer, etc. in alley north Walhalla Rd., $20,791. R. H. Simpson, city engr.

O., Dayton — Plans concrete and brick or sheet asphalt and brick paving also storm sewer in 7,000 ft. Home Ave., 40 ft., $203,897, brick paving 300 ft. Stout St., 45 ft., $10,676. J. F. Hale, city engr.

O., Lisbon—Columbiana Co., soon takes bids asphalt paving 2.25 mi. Wellsville-East Liverpool intercounty Highway. $50,000. L. C. Kirk, co. engr.

O., New Philadelphia — Tuscarawas Co. takes bids in spring macadam paving 0.979 mi. Urichsville-New Comerstown Rd., 16 ft., $32,967. E. Stingel, New Philadelphia, engr.

O., Sebring—Takes bids in spring asphalt resurfacing over present brick paving on Ohio Ave. $75,000.

O., Struthers — Bd. Control soon takes bids brick or concrete paving Williams St. $35,000-$40,000, 3rd St. $35,000, Grandview Ave. $30,000, and Marion Ave. $30,000; improving Park Ave. $25,000.

O., Wooster — Wayne Co., soon takes bids improving 4.23 mi. Wooster-Burbank Rd., in Canaan Twp., $80,000, 4.49 mi. Wooster-Congress-West Salem Sect., $81,000, Wooster-Canal Fulton Rd., $45,000; and graveling 2.4 mi. Wooster Rd., etc., $30,000, all 16 ft.

O., Youngstown — Takes bids in spring brick or asphalt paving 15th St. $45,000. G. Turner, city engr.

Mich., Springwells—Made plans concrete paving Morrow Circle, Wyoming, Dix, Kingsley, Middlepoint, Normile, Freda, and Thelsen Aves. $400,000. Hubbell, Hartzering & Roth, 2348 Penobscot Bldg., Detroit, engrs.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, rejected bids Dec. 17, surfacing Route 31, Sects. 16 and 17, Fulton Co. Noted Dec. 25.

Ill., Kewanee — Plans grading, curbing, granite on rein.-con., brick, concrete or Warrenite bitulithic surfacing, etc., about 19 blocks Prospect Grove, Franklin, 4th, Burr, Lyle, 1st and Elm Sts., 30 ft. $50,000. J. G. Palmer, City Hall, engr.

Minn., St. Paul — Ramsey Co. making plans one course rein.-con. paving 3 mi. County Project 2552, Prescott connection from west end of Prescott Bridge to Trunk Highway 3, $100,000; also grading and gravel surfacing 1 mi. County Project 2554 between South Robert St. and Minnesota Trunk Highway 1, $25,000. P. N. Coates, 900 Guardian Life Bldg., co. surv.

Neb., Lincoln—Soon takes bids grading, curbing and hard surfacing 36 blocks 25th, 13th, Van Dorn, 20th, Otoe, Pawnee, Dakota, 31st, 18th, Washington, F and 27th Sts. $144,500. D. L. Erickson, City Hall, engr.

Neb., Pawnee City—Pawnee Co. making preliminary plans grading and gravel surfacing 15.5 mi. various roads, 18 ft.

N. D., Ashley—McIntosh Co. plans grading road 11 mi. north of Zeeland, then 4 mi. east and 8 mi. south to state highway. $35,000. J. Billigmeier, co. aud.

Tex., Amarillo—Randall Co. plans election $30,000 bonds improving about 4 mi. highway in Sd. Dist. 4. R. L. Lester, co. judge. Engineer not selected.

Tex., Anderson—Grimes Co. plans gravel surfacing 8.8 mi. State Highway 45, 16 ft. $121,500. O. E. Seward, Anderson, co. engr.

Tex., Anson—Jones Co. making plans surfacing approximately 14 mi. State Highway 1, 16 ft. $457,000. F. E. Devlin, Anson, and 614 Bitting Bldg., Wichita, Kan., engr.

Tex., Barstow—Ward Co. soon takes bids gravel surfacing 4.61 mi. Federal Aid Project 391-B, 18 ft. $88,250. S. S. Posey, Anson, co. engr.

Tex., Childress—Plans election $150,000 bonds, improving 50 blocks various streets. Address Mayor.

Tex., Dickens — Dickens Co. soon takes bids grading, bridging, gravel and sand clay surfacing 12.44 mi. State Highway 11, between Dickens and Motley Co. line, 18 ft. $92,600. J. W. Alger, Dickens, co. engr.

Tex., Waxahachie — Ellis Co. making plans grading, bituminous on macadam surfacing and bridging 4.83 mi. State Highway 34, Federal Aid Project 385-D, 18 ft. $172,600. W. A. Spalding, Waxahachie, co. engr.

Okla., Cordell—Plans grading and concrete surfacing 30,000 sq.yd. Market, College and Church Sts. $90,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Lindsay—Plans grading, curbing and vertical fibre brick surfacing 13,600 sq. yd. Main St. $51,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Tulsa—Election Apr. 14, $500,000 bonds, paving various streets. Address Mayor.

Okla., Wetumka—Plans grading, curbing and vertical fibre brick surfacing 8,700 sq. yd. North Canadian and East Benson Sts. $42,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Arizona — State Hy. Comn., Phoenix, making preliminary plans grading and surfacing approximately 50 mi. road from Winkelman-Mammoth Highway to site of Carlos Dam on Gila River, to Pinal Co. To exceed $150,000. W. C. Lefebvre, highway engr.

Wash., Bucoda — City Clerk takes bids about June 4, concrete paving ⅔ mi. Main St. et al, 20 ft. $33,000.

California — State Hy. Comn., Sacramento, making plans widening and paving approximately 13 mi. Redwood Highway between Santa Rosa and Healdsburg, Sonoma Co.; also widening and resurfacing 5.8 mi. Placerville Route to Lake Tahoe between Camino and point 2 mi. east of Sportsman's Hall, El Dorado Co. R. M. Morton, Sacramento, highway engr.

Calif., Los Angeles — Plans widening Olive Ave. between Pico and 7th Sts. $60,000 or more. H. A. Van Norman, City Hall, engr.

Calif., Los Angeles—City and Los Angeles Co. plan widening and surfacing Chatsworth Dr., Devonshire St. and Canoga Ave. $450,000. City, property owners, and Los Angeles Co., each pay ⅓ of cost.

Calif., Los Angeles — Los Angeles Co. made plans improving portions of Ford St., Impvt. Dist. 150, 9,890 sq.yd. shape roadway, 9,810 sq.yd. 6 in. concrete on 4 in. sub base, 15,186 sq.yd. sidewalks, etc., to

Streets and Roads (Continued)

exceed $25,000; portions of San Pedro St., Impvt. Dist. 173, 6,276 cu.yd. excav., 13,182 sq.yd. gutters, 23,941 sq.yd. shape roadway, 23,941 sq.yd. concrete, 5,326 ft. curb, etc., to exceed $65,000; Market St., Impvt. Dist. 174, 2,387 cu.yd. excav., 18,079 sq.yd. 6 in. concrete, 26,050 sq.ft. sidewalks, etc., to exceed $40,000; Swall Ave., Impvt. Dist. 247, 2,956 cu.yd. excav., 13,435 sq.yd. shape roadway, 9,890 sq.ft. gutter, 13,435 sq.yd. 8 in. concrete, etc., to exceed $30,000; and portions of Chevy Chase Dr., 104,020 cu.yd. excav., 41,335 sq.yd. shape roadway, 7,377 sq.yd. 6- to 8-in. concrete, etc., to exceed $115,000. A. K. Warren, co. engr.

Calif., Marysville—Making plans paving C, 13th, Chestnut and various other streets. To exceed $25,000. L. B. Crook, city engr.

Calif., Oakland — Alameda Co. making plans improving 2.5 mi. Bay Farm Island Rd. To exceed $50,000. Cost to be borne by county and cities of Oakland and Alameda. G. A. Posey, Oakland, co. surv.

Calif., San Francisco — Bd. Pub. Wks. soon takes bids grading 30th Ave. between Geary and Anza Sts., etc. $52,000, also asphaltic concrete paving, etc., 111,760 sq.ft., Orizaba St. between Randolph and Bway. Sts., to exceed $25,000. M. M. O'Shaughnessy, City Hall, engr. Noted Dec. 25.

Calif., Stockton — Making plans improving East Main St. from Wilson Way to city limits, 5,006 cu.yd. cut, 2,127 yd. cut, 10,192 ft. concrete curb and gutter, 15,908 sq.ft. concrete sidewalks, 217,825 sq.ft. 5 in. warrenite-bituminous on 3.5 in. asphaltic concrete and 2.5 in. gravel surface, etc. To exceed $72,500. W. B. Hogan, city engr.

Ontario—Dept. Provincial Highways, 110 University Ave., Toronto, plans asphalt on macadam paving 12 mi. highway from Belleville to Trenton. $300,000. G. Hogarth, ch. engr.

Ontario—Northern Development Branch, Dept. Provincial Highways, Parliament Bldgs., Toronto, plans expending $5,000,000 on maintenance of existing roads and construction of new ones in northern Ontario. C. H. Fullerton, ch. engr.

Ont., Hamilton—Wentworth Co. plans 7 mi. new waterbound macadam roads. $78,675. H. A. Lumsden, County Bldg., engr.

Ont., Lucknow—Plans probably concrete paving 14,000 sq.yd. main streets. $38,000, Engineer not selected.

Ont., Mildmay—Bruce Co. (Walkerton), plans concrete paving 8,000 sq.yd. Absolom St., here. $25,000. G. R. Stephenson, Walkerton, co. engr.

Ont., Port Burwell—Bayham Twp. plans 2 mi. waterbound macadam road between here and Houghton. $30,000. B. Brian, Straffordville, clk.

Ont., Port Hope—Plans asphalt paving 30,000 sq.yd. main streets. $90,000. Engineer not selected. J. W. Sanders, clk.

Ont., Smiths Falls — Lanark Co. plans macadamizing 2 mi. road between here and Franktown. $35,000. S. B. Code, Smiths Falls, engr.

Ont., Toronto—Plans bituminous concrete paving 4,500 sq.yd. Newmarket Ave., $21,202; concrete curbs $1,032, concrete sidewalks on Edith Ave. $1,982; grading 8th Ave. $4,758, lane from Munro to Hamilton Sts. $4,900, and Walden Ave. $9,300; widening Don Esplanade Ave. E., $30,000. R. C. Harris, city engr.

Ont., Toronto — Plans asphalt or bitulithic paving, etc., 7,500 sq.yd. University Ave. from Queen to Front Sts. $300,000. R. C. Harris, city engr.

Ont., Toronto — East York Twp. plans asphalt and concrete paving 25,000 sq.yd. various roads. $100,000. G. R. Jack, Municipal Yard, Sammon Ave., engr.

Ont., Woodstock—Oxford Co. voted $80,000 bonds waterbound macadam and concrete paving 30,000 sq.yd. new roads. F. J. Ure & Sons, Woodstock, engrs.

BIDS DESIRED

Massachusetts — Apr. 21, by Dept. Pub. Wks., State House, Boston, concrete and bituminous macadam paving 8,850 ft. highway in Rahyham, $60,000; bituminous concrete paving 4,784 ft. highway in Barnstable, $40,000; bituminous macadam paving 2,331 ft. highway in Holbrook, 7,150 ft. highway in Stoughton $40,000, 1,115 ft. in Williamsburg $5,000, and 3,410 ft. highway in Danvers $20,000. W. F. Williams, comr.

Massachusetts — Apr. 28, by Dept. Pub. Wks., State House, Boston, bituminous macadam paving 15,122 ft. highway in Belchertown, 18 ft. $75,000. W. F. Williams, comr.

Mass., Boston—Apr. 22, by Dept. Pub. Wks., sheet asphalt or bitulithic paving Wildwood St., in Dorchester, and Caledonia Ave., in West Roxbury. $51,000 bonds. J. A. Rourke, comr.

Rhode Island—Apr. 22, by State Bd. Pub. Wks., Providence, concrete paving 1.72 mi. Nooseneck Hill Rd., Contr. 2502, Federal Aid Project 26, in West Greenwich; sheet asphalt on concrete paving 0.99 mi. Warren and Main Sts., Contr. 2505, in Providence; also 250,000 gal. asphaltic oil or refined tar on certain sections state roads; adv. E. N.-R. Apr. 16.

R. I., Cranston—Apr. 17, by Bd. Cont. & Purchase, City Clerks Office, City Hall, granite curbing, etc., 30,000 ft. or more, various streets. A. A. Rhodes, chn.

Conn., Manchester—Bd. Selectmen, Town Hall, taking bids about granite and concrete curbing and sidewalks on various streets, $30,000; also concrete guttering various streets, $10,000.

N. Y., Brooklyn — Apr. 22, by J. A. Guider, boro pres., Boro Hall, grading sidewalk space, curbing and flagging 7th Ave., West 6th and 81st Sts.; asphalt paving 36th, 8th and 81st Sts.

N. Y., Buffalo — Apr. 17, by T. H. McElvein, Jr., purch. agt. Erie Co., 263 Terrace St., for road building materials for highways.

N. Y., Buffalo—Apr. 21, by Supervs. Erie Co., constructing 11 mi. Harlem Rd. Part 3, and Cooper Ridge Rd., 16, 18 and 20 ft. G. C. Diehl, 577 Ellicott Sq. Bldg., engr.

N. Y., New York—May 5, by New York State Bridge & Tunnel Comn., and New Jersey Interstate Bridge & Tunnel Comn., Room 3004 Woodworth Bldg., granite block with asphalt mastic joint filler on sand-cement cushion paving Holland Tunnel, Contr. 10; adv. E. N.-R. Apr. 16.

N. Y., St. George — Apr. 21, by J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous macadam repaving Richmond Rd., Richmond Turnpike, Prospect St., Oakland and Leyden Aves.

N. J., New Brunswick—Apr. 21, by City Comn., E. J. McLaughlin, city clk., sheet asphalt paving Laurel, Duke, Fulton, Robinson, Handy, Remsen, Ward and Lee Aves. $184,450. A. Atkinson, city engr.

N. J., Westwood—Apr. 21, by Mayor and Council, Boro Hall, Center St., grading, paving, water mains, sewers, etc., in Lotus St., 2nd, Park, Madison, Lexington, Roosevelt and Clinton Aves. W. L. Best boro clk.; adv. E. N.-R. Apr. 16.

Pennsylvania — May 1 and May 2, by Dept. Highways, Harrisburg, bituminous or rein.-con. paving 70 mi. 20 projects in 17 counties. P. D. Wright, secy.; adv. E. N.-R. Apr. 16.

Pa., Sharon—Apr. 21, paving with sheet asphalt on concrete 6,040 sq.yd. South Oakland Ave., 3,810 sq.yd. Baldwin Ave., 3,090 sq.yd. Sherman Ave., 2,770 sq.yd. 3rd Ave.; sheet asphalt or brick on concrete paving 6,820 sq.yd. South Irvine Ave. F. S. Williams, city clk.

Pa., Waynesburg — Apr. 18, by Comrs. Greene Co., concrete surfacing 23,140 ft. Nineveh Rd., in Morris Twp.

Md., Baltimore—Apr. 22, by Bd. Awards, asphalt paving 14,080 sq.yd. Contr. 277-OCOA. S. C. Rowland, 214 East Lexington St., acting chn. paving com.

Virginia—Apr. 28, at office of State Hy. Comn., Richmond, improving roads and bridges on Route 18, Project S-20-C, Nelson Co.; Route 14, Project F-259-A, Pittsylvania Co.; Route 28, Project F-301-A, Albermarle Co.; Route 31, Project F-358-G, Hanover Co.; and Route 31, Project F-3772-B, Spotsylvania Co. C. S. Mullen, ch. engr.; adv. E. N.-R., Apr. 16.

W. Va., Matoaka—Apr. 28, by Common Council, one course concrete, bituminous macadam, and Topeka top on concrete surfacing 8,000 sq.yd. various streets. T. C. Godfrey, recdr.

N. C., Beaufort — Apr. 22, by Bd. Dirs. Beaufort Co., constructing (exclusive of surfacing) 5.8 mi. State Route 32, State Project S-524. A. T. Brown, Scovill Bldg., Orangeburg, engr.

S. C., Bennettsville — Apr. 23, at office Special Rd. Comn., grading and clay gravel surfacing 12,178 cu.yd. State Route 30, State Project S-560. J. M. Martin, Florence, engr.

Georgia — Apr. 24, by State Hy. Dept., East Point, improving 5.663 mi. Federal Aid Project 204, Echols and Lowndes Counties, 39,810 sq.yd. surface treatment; 63,360 sq.yd. rock asphalt and 10,560 sq.yd. surface treating Valdosta-Adel Rd., Federal Aid Projects 91 and 357, Lowndes Co.; top soiling 3.232 mi. Gainesville-Baldwin Rd., Federal Aid Project 423-A, Habersham Co.; grading 3.967 mi. Columbus-Cusseta Rd., Federal Aid Project 404-C, Muscogee Co., and 3.646 mi. Royston-Demelsville Rd., Franklin Co. W. R. Neel, highway engr.

Fla., Bartow—Apr. 28, by City Comn., curbing, guttering and paving 17,000 sq.yd. various streets. $71,644. E. V. Camp & associates, Bartow, and Hill Bldg., Jacksonville, engrs. Noted Mar. 5.

Louisiana—Apr. 30, by State Hy. Comn., Reymond Bldg., Baton Rouge, graveling 7.15 mi. Federal Aid Project 148 B, Bernice-Junction City Highway, Union Parish; 9.24 mi. State Project 336 C, Winnsboro-Delhi Highway, Franklin Parish; 4.43 mi. State Project 468 A, Morrow-Moreauville Highway, Landry Parish; 7.15 mi. State Project 447, and 7.15 mi. State Project 447, Kaplan-Crowley Highway, Vermillion Parish; and 3.83 mi. State Project 429 A, Natchitoches-Boyce Highway, Natchitoches Parish. W. B. Roberts, ch. engr.

Tenn., Nashville—Apr. 24, by City Clerk, asphalt on macadam surfacing Fatherland St., 3rd and Wedgewood Aves. Separate bids on concrete curbing and guttering. W. W. Southgate, City Hall, engr. Noted Jan. 22.

Ky., Brownsville—Apr. 25, by Edmonson Co. Fiscal Court, Court House, cold patching and surface treating 11 mi. Brownsville-Dixie Highway, 9 ft.

O., Cincinnati—Apr. 24, by Comrs. Hamilton Co., 165,000 gal. Tar, Grade 1, 227,000 gal. heavy oil and 10,420 cu.yd. sand on various roads. $95,220. E. A. Gast, Court House, engr. Noted Mar. 26.

O., Cleveland—Apr. 22, grading, curbing and paving, etc., Braemer Dr., 46th Pl., Burgess Rd. N. E., Catalpa Rd. N. E., Creston Ave. S. W., Denley Ave. S. W., Fairwood Dr. S. W., Granby Ave. S. W., Milverton Rd. S. E., Park Lane Ave. N. E., Western Ave. N. W., East 45th St., West 42nd and 44th Sts. To exceed $200,000. R. Hoffman, City Hall, engr.

O., Cleveland Heights (Warrensville P. O.)—Apr. 17, by H. H. Canfield, city mgr., 500 to 1,000 tons binder, 1,000 to 5,000 sq. yd. sheet asphalt and 1,000 to 5,000 sq.yd. asphaltic concrete wearing surface.

Ind., South Bend—Apr. 27, by P. R. Gillin, engr., South Bend, grading and graveling 20,050 ft. Folk Rd., 24 ft., $26,200, and 18,418 ft. Barkey Rd., 18 ft., $25,400; concrete paving 12,672 sq.yd. Leininger Rd., $27,250, for St. Joseph Co.

Ill., Alton—Apr. 18, by Dept. Pub. Wks., curbing, sewers, and vitr. brick surfacing 1,300 sq.yd. Hunter Court. $50,000. J. E. Schwaab, city engr. Noted Feb. 26.

Ill., Waukegan—Apr. 20, by Road and Bridge Com. Lake Co., at office C. E. Russel, co. supt., highways, Court House, grading, etc., 60,342 cu.yd. Volo-Fox Lake Rd., Sect. R-15d. I. E. Pearsall, co. treas.

Wis., Fond du Lac—Apr. 24, by Fond du Lac Co. Highway Comn., grading 5.91 mi. Marble Head County Line Rd., 12,800 cu.yd. earth, 1,200 cu.yd. loose and 92 cu.yd. solid rock excav., etc., 6.4 mi. Brandon-Kohls Corners Rd., 18,000 cu.yd. earth, 1,400 cu. yd. loose and 186 cu.yd. solid rock excav., 1,105 cu.yd. borrow, etc., 5.51 mi. Wolf Lake-Marytown-County Line Rd., 14,100 cu. yd. earth, 1,800 cu.yd. loose and 155 cu.yd. solid rock excav., etc.; two 30 ft. concrete deck girder span Brenner bridge over Sheboygan River on County Trunk W, all in Fond du Lac Co. J. McCullough, highway engr.

Wis., Markesan — Apr. 21, by Highway Com. Green Lake Co. (Green Lake), grading and concrete surfacing 12,092 sq.yd. portions of John and Bridge Sts. D. C. Williams, comr.

Wis., Merrill — H. R. Allen, city clk., taking bids grading and paving various streets, 20,000 sq.yd. vibrolithic concrete, 7 in. rein.-con., 7 in. concrete, 2.25 in. brick with 5 in. concrete base or 1 in. sand cushion and asphalt filler.

Wis., Rhinelander—Apr. 24, by City, paving approximately 50,000 sq.yd. various streets. J. Donohue Eng. Co., 608 North 8th St., Sheboygan, engr.

Wis., Shorewood (Milwaukee P. O.) — Apr. 20, by T. Olsen, village clk., grading and concrete paving approximately 24,000 sq.yd. 7 streets. H. A. Schmitt, Village Hall, engr.

Wis., Whitefish Bay (Milwaukee P. O.) —Apr. 20, by W. Volkmann, village clk., concrete and vibrolithic concrete paving, etc. 31,000 sq.yd. various streets. T. F. Buckley, Village Hall, engr. Noted Jan. 29.

Ia., Decorah—Apr. 21, by Auditor Winneshiek Co., Court House, grading, etc., 13.31 mi. road southeast of Calmar, 142,215 cu.yd. excav., etc.

Neb., Loup City—Apr. 24, by M. E. Gilman, grading 34,600 cu.yd. Gordon Merriman Rd., Federal Aid Project 202-C, Sheridan Co. $26,000. R. L. Cochran, Lincoln, engr.

Neb., Valentine — Apr. 24, by E. B. Foster, clk., Cherry Co., improving 2.8 mi. Federal Aid Project 202-C, 21,300 cu.yd. earth, 10,700 cu.yd. loose rock and 700 cu.yd. special excav., 87,150 cu.yd. station overhaul, etc. R. L. Cochran, Capitol, Lincoln, engr.

South Dakota — Apr. 28, by State Hy. Dept., Pierre, **(F. A. P. means Federal Aid Project and S. A. P. means State Aid Project)**, grading and bridging 9.8 mi. F. A. P. 187 C, Charles Mix Co., 12.3 mi. F. A. P. 177 B, Pennington Co., 12.1 mi. F. A. P. 188 D, McCook Co., 18.1 mi. F. A. P. 185 E, Lyman Co., 6.9 mi. F. A. P. 189 B, Charles Mix Co., 9.2 mi. F. A. P. 188 C, McCook Co., and 8.8 mi. F. A. P. 171 E, McPherson Co.; grading 25 mi. F. A. P. 191 B, Clark Co., 12 mi. F. A. P. 192 A, McPherson Co.,

Streets and Roads (Continued)

and 6 mi. S. A.-P. 104, Roberts Co.; graveling about 11,300 yd. F. A. P. 50 B, Sanborn Co., 9,700 yd. F. A. P. 194, Douglas Co., 20,500 yd. F. A. P. 127, Hughes-Sully Co., 16,400 yd. F. A. P. 145, Beadle Co., 22,700 yd. F. A. P. 172 A, Edmunds Co., 17,300 yd. F. A. P. 179 Deuel Co., 13,600 yd. F. A. P. 186 A, Davison Co., 23,400 yd. F. A. P. 95 A, Faulk Co., 23,400 yd. F. A. P. 95 B, Hand-Faulk Co., 12,500 yd. F. A. P. 95 C, Faulk Co., 2,600 yd. F. A. P. 112, Brown Co., 17,700 yd. F. A. P. 134, Douglas Co., 21,900 yd. F. A. P. 142, Brown Co., 16,600 yd. F. A. P. 143, Marshall Co., 10,300 yd. F. A. P. 147, Hutchinson Co., 38,100 yd. F. A. P. 149 A, B, C, Spink Co., 15,400 yd. F. A. P. 167 A, Bon Homme Co., 16,700 yd. F. A. P. 170 E, Turner & Minnehaha Counties, and 19,206 yd. F. A. P. 171 A, Roberts Co.; bridge on F. A. P. 171 D, Brown Co., and concrete viaduct on F. A. P. 181 B, Potter Co. T. Soleglad, acting highway engr.

S. D., Vermilion — Apr. 27, by C. L. Vaughn, city aud., curbing and paving about 50,000 sq.yd. various streets. $125,000. Noted Dec. 25.

North Dakota — Apr. 28, by State Hy. Comn. and Bd. Comrs. Barnes Co., at Court House, Valley City, grading, clearing and grubbing, etc., 4.09 mi. Federal Aid Project 232, east and south of Rogers, and 9.223 mi. Federal Aid Project 233C, section south of Oriska; graveling, etc., 1.848 mi. Federal Aid Project 36A, south and east of Rogers, 10.36 mi. Federal Aid Project 126, north and south of Dazey, and 0.267 mi. Federal Aid Project 36S, east of Rogers, all foregoing in Barnes Co.

North Dakota—Apr. 30, by State Hy. Comn. and Comrs. Grand Forks Co., at Court House, Grand Forks, grading, clearing and grubbing, etc., 10.9 mi. Federal Aid Project 125, north of Grand Forks, 7.049 mi. Federal Aid Project 230A, 4.646 mi. Federal Aid Project 110, north Grand Forks Co. line; and 6.047 mi. Federal Aid Project 107, from Manvel northwest along the Great Northern R.R. tracks, all foregoing in Grand Forks Co.

North Dakota — May 4, by State Hy. Comn. and Comrs. Cass Co., Court House, Fargo, grading, etc., 0.217 mi. Federal Project 213 C, 2 mi. west of Buffalo.

Missouri—Apr. 24, by State Hy. Dept., Jefferson City, 27.492 mi. grading, 4.358 mi. concrete surfacing and 56.17 mi. gravel surfacing roads in various counties. B. H. Piepmeier, ch. engr.

Mo., St. Louis—May 5, by Bd. Pub. Serv., 208 City Hall, concrete curbing and surfacing 1,645 sq.yd. Alabama St. $8,500; granite curbing and rein.-con. surfacing 2,795 sq.yd. Christian St. $14,800, 3,910 sq. yd. Spring Ave. $18,600, 1,820 sq.yd. Veronica St. $10,500; concrete curbing and rein.-con. surfacing 640 sq.yd. Newport Court $3,440; brick or vibrolithic concrete surfacing 4,670 sq.yd. Shenandoah St. $24,400; granite curbing and asphaltic concrete surfacing 675 sq.yd. Berthold St. $4,700, 1,295 sq.yd. Christy Ave. $9,600, 1,685 sq.yd. Illinois St. $8,120, 840 sq.yd. Kuhs Pl. $6,120, 1,750 sq.yd. Ponce Ave. $8,560, 1,350 sq.yd. Louisiana St., 1,845 sq.yd. San Francisco St. $13,320; asphalt surfacing 1,475 sq.yd. Nebraska St. $5,900; concrete curbing and Willite surfacing 965 sq.yd. Gardenville St. $7,200; Willite surfacing 5,745 sq.yd. Shenandoah St. $23,920. W. W. Horner, city engr.

Ark., Texarkana — Apr. 20, by Comrs. Impvt. Dist. 32, in directors room, State Natl. Bank, grading and concrete or 2 in. asphalt on 4 in. concrete surfacing 7,906 sq.yd. Impvt. Dist. 32. J. W. Dawson, 425 State Natl. Bank Bldg., engr. Noted Mar. 5.

Tex., Alpine—Apr. 30, by A. L. White, engr. Brewster Co., grading and bridging 5.13 mi. State Highway 3, Federal Aid Project 378-E. $49,000. Noted Feb. 27.

Tex., Franklin—May 2, by L. A. Peterson, engr. Robertson Co., grading and bridging 1.14 mi. State Highway 6, Federal Aid Project 401-C. $25,000.

Tex., Jourdanton — Atascosa Co. taking bids 16,548 yd. 1 in. asphalt topping State Highway 2, Federal Aid Project 332, 18 ft. $28,000. W. F. Hutson, San Antonio, div. engr.

Tex., Sweetwater—May 5, by Nolan Co., grading, bridging and bituminous topping 7.6 mi. State Highway 70, Federal Aid Project 534-A, 18 ft. $160,000. J. A. Focht, Sweetwater, engr.

Tex., Wichita Falls—W. M. Priddy, Oil Exch. Bldg., taking bids paving streets in Westmoreland Park Addition. $40,000. Montgomery & Ward, 1016 City Natl. Bank Bldg., engrs.

Okla., Pawhuska — Apr. 23, by C. M. Hirt, city clk., grading and concrete surfacing 15,000 sq.yd. 8 blocks Dists. 34 and 35. $65,000. J. M. Buckley, Pawhuska, engr.

Idaho—Apr. 22, at office P. E. Oxley, Dist. Engr., 202 Pioneer Bldg., Lewiston, and opened by Commissioner Pub. Wks., improving 15.03 mi. North and South Highway, Federal Aid Project 89-A, Idaho Co., 68,311 cu.yd. earth and 4,265 cu.yd. solid rock excav., 83,101 sta.yds. overhaul, 39,678 cu.yd. crushed rock surface, 26,444 lbs. reinforcing, etc.

Nevada — Apr. 22, by Dept. Highways, Carson City, constructing 22.45 mi. Duuphy-East Co. Line Rd., Federal Aid Projects 92-C and D, Eureka Co., 167,000 cu.yd. unclassified excav., 69,697 sta.yd. overheaul, 16,870 cu.yd. load and screen crushed rock and 10,230 cu.yd. load and screen gravel, etc. G. W. Borden, Carson City, highway engr.

Nevada—Apr. 29, by State Hy. Comn., Carson City, improving 19.99 mi. Battle Mountain-East County Line Rd., Federal Aid Project 92-A and B, Lander Co., 89,500 cu.yd. excav., 24,700 cu.yd. load and screen, and 51,050 yd. mi. spread gravel, etc. G. W. Borden, Carson City, highway engr.

Nevada—Apr. 29, by State Hy. Comn., Carson City, gravel surfacing 5.08 mi. Fallon-Grimes Ranch Rd., Churchill Co. G. W. Borden, highway engr.

Washington — Apr. 28, by State Hy. Dept., Olympia, gravel or crushed rock surfacing 6.1 mi. State Rd. 9, Mason Co.; grading, and gravel or crushed rock surfacing 5.51 mi. Anatona-Asotin Highway, Asotin Co. and 2 mi. State Rd. 9, Jefferson Co.; concrete paving 6.06 mi. State Rd. 3, Whitman Co., 4.13 mi. State Rd. 3, Whitman Co., and 2.33 mi. State Rd. 9, Mason Co. J. W. Hoover, Olympia, engr.

California—Apr. 27, by State Hy. Comn., Sacramento, concrete widening and asphaltic concrete paving 4.4 mi. highway between Cypress Lawn Cemetery and Lawndale, San Mateo Co.; also grading and crushed gravel or stone surfacing 6.3 mi. highway between Leggett Valley and point 2 mi. north of Rock Creek, Mendocino Co. R. M. Morton, highway engr.

Calif., Hawthorne—City Trustees taking bids improving Gale Ave., 79,068 sq.ft. 1.5 in. Willite on 2 in. asphaltic concrete, 2,448 lin.ft. grading, 4,833 ft. curbing, 9,966 sq. ft. cement concrete guttering, etc. V. H. Staheli, city engr.

Calif., Maywood — City Trustees taking bids improving Slauson Ave., 602 cu.yd. excav., 54,300 sq.ft. 1.5 in. National on 4.5 in. asphaltic concrete paving, 4,100 sq.ft. gutters, 2,788 ft. 6- to 19-in. vitr. sewers, and Loma Vista Ave., 1,940 cu.yd. excav., 91,900 sq.ft. 1.5 in. National on 3.5 in. asphaltic concrete paving, 5,500 sq.ft. gutters, 4,600 ft. curb and 3,392 ft. vitr. sewers. V. Wood, 424 Amer. Bank Bldg., Los Angeles, engr.

Calif., San Francisco — May 6, by Bd. Pub. Wks., grading, sewers and retaining wall, etc., on Roosevelt Way between 14th and Clayton Sts. $90,000. M. M. O'Shaughnessy, city engr. Noted Mar. 26.

Nova Scotia — Apr. 20, by Chairman Highways Bd., Halifax, paving 6.56 mi. Shelburne Corner-Clyde River Rd., and 8.06 mi. Pulnico Head to Argyle Head Cross Rd.

Nova Scotia—Apr. 23, by Highway Bd., Halifax, paving 7.85 mi. Lockeport-Shelburne Rd., and 10.15 mi. Argyle Head Cross Rd.-Pleasant Lake Bridge.

Que., Montreal—Apr. 17, by L. Bauret, city clk., 4,600 tons asphalt and 400,000 gal. fuel oil, etc. H. A. Terreault, Dept. Pub. Wks., engr.

Ont., Ottawa—Apr. 17, by Suburban Rds. Comn., 279 Carling Ave., bituminous macadam surfacing about Richmond Rd. $25,000. A. K. Hay, 279 Carling Ave., engr.

Ont., Toronto—Apr. 21, by T. Foster, chn. Bd. Control, City Hall, asphalt paving Jersey and Laplant Aves., Leslie, Mountstephen and Nelson Sts.; asphalt surfacing Manning Ave. and Nassau St.; asphaltic concrete paving Harriett St. and Inglewood Dr.; Hillside brick block and asphaltic concrete paving 7th St.; Warrenite-bitulithic paving Hirons St.; macadamizing Harriett St.; grading Inglewood Dr.; concrete curbing Jersey Ave., Hirons and 7th Sts.; concrete sidewalks on Humewood and Tullis Drives, Old Orchard Grove, Orchard View, Joicey, Willowbank and Yonge Blvds., Mt. Pleasant, Jedburgh, and Regal Rds., Brock, Iona, Keystone, Snowden, Melrose, Moberly, Teddington Park Aves., Durie and Yonge Sts. R. C. Harris, city engr.

BIDS RECEIVED

Mass., Gardner — City, F. W. Proctor, supt. of Streets, Mar. 30, rein.-con. paving about 7,500 sq.yd. various streets, from P. J. Keating, Fitchburg. $24,646. Noted Mar. 26.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., Apr. 12, granite block repaving 1st Ave., from J. Meehan & Son, 74 Cortlandt St., $227,755; asphalt block repaving 177th St., from Burnside Contg. Co., 270 Burnside Ave., $17,140. Noted Apr. 9.

N. Y., New York — H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., Apr. 7, from C. D. Beckwith, 2875 Bway., sheet asphalt paving Hunt Ave. $14,999; from Interboro Asphalt Co., 2306 Creston Ave., bituminous concrete paving Van Nest Ave. $37,411, from Gaffney Constr. Co., 50 East 42nd St., Mosholu Parkway $25,992; from J. Gebert, grading, curbing, etc., Fteley Ave., $12,686 from I. F. Cavaluzzo, 1528 Walton Ave., Pelham Parkway $9,927; from Remo Realty Co., 645 East Tremont Ave., sewers in Benedict and Edison Aves. $5,200 and $3,385 respectively. Noted Apr. 2.

New Jersey—State Hy. Dept., Trenton, concrete paving, etc. 38,509 sq.yd. Route 15 Sect. 8, Cape May Co., from Interstate Eng. & Constr. Co., 918 Catherine St., Phila., Pa., $140,641. Noted Mar. 19.

Maryland—State Rds. Comn., Baltimore, sheet asphalt paving 1.47 mi. Contr. BC-49, Baltimore Co., from Amer. Paving & Contg. Co., Montebello Ave., Baltimore, $61,955; macadam resurfacing 7.8 mi. Contr. W-34, Washington Co., from E. C. Valentine, Rocky Ridge, $123,272; graveling 1.7 mi. Contr. HO-49, Howard Co., from E. R. P. Smith, Hyattsville, $21,835, 2.81 mi. Contr. CH-30, Charles Co., from H. S. Swann, LaPlata, $31,509; concrete paving 2.43 mi. Contr. B-71, Baltimore Co., from Gosnell, Russell & Co., Frederick, $49,337. 1.25 mi. Contr. T-21, Talbot Co., from Slacum, Brohawn & Woolford, Cambridge, $29,218, 1 mi. Contr. Wi-32, Wicomico Co., from P. D. Phillips & Bros., Salisbury, $24,777. Noted Mar. 26.

S. C., Kingstree—See "Bridges."

O., Akron—W. F. Peters, dir. Pub. Serv., Mar. 30, **(e. e. means engrs. est)**, from Thorpe Constr. Co., 231 Society for Savings Bldg., Cleveland, grading, stone curbing, concrete sidewalks and vitr. brick paving, etc., 1,500 sq.yd. Robinette and Luedella Courts $10,344 e. e. $11,500, grading concrete sidewalks and vitr. brick paving, etc. 975 sq.yd. Courteney Pl. et al, $6,346 e. e. $6,600; from Bonner Co., 32 South College St., grading and laying concrete sidewalks on 13,500 sq.ft. Julien Ave., $6,019 e. e. $6,400, 6,100 sq.ft. Hudson Ave., $4,333 e. e. $5,500, grading, concrete guttering and concrete sidewalks etc. on 3,650 sq.ft. Bina Ave., $1,797 e. e. $2,500, 12,200 sq.ft. Sherman and Baird Sts., $5,750 e. e. $7,500; from T. E. McShaffrey Constr. Co., 173 South Forge St., grading, curbing, guttering and sheet asphalt paving 5,000 sq.yd. Bowery St., $33,003 e. e. $41,000, grading, stone curbing, sidewalks, vitr. brick guttering and sheet asphalt paving 860 sq.yd. North Case Ave., $5,638 e. e. $6,500, grading, stone curbing and vitr. brick paving, etc. 1,720 sq.yd. South Walnut St., $11,736 e. e. $13,500, 4,035 sq.yd. Avon St., $22,228 e. e. $25,000, grading, stone curbing, laying sidewalks and vitr. brick paving 11,525 sq.yd. North Case Ave., $72,159 e. e. $80,000, grading, paving, repaving and resurfacing Wooster Ave., 320 sq.yd. vitr. brick and 2,400 sq.yd. sheet asphalt, $7,388 e. e. $10,000; from McAlonan Bros., 506 Woodland Ave., grading, curbing, laying sidewalks and vitr. brick paving 990 sq.yd. Fairfield Ave., $9,325 e. e. $9,500; from Guran & Brancich, 429 Matthews St., grading and laying 4 in. concrete sidewalks on 13,800 sq.ft. Alexander St., $7,327 e. e. $8,500. Noted Mar. 12.

Michigan — State Hy. Dept. at office Comrs. Eaton Co., Charlotte, grading and concrete paving Federal Aid Project 100 D, from H. A. Crane, Alma, $101,828. Noted Mar. 19.

Michigan — State Hy. Dept., Lansing, grading and concrete paving 6.961 mi. State Trunk Line Rd. 27-21, Sanilac Co., from C. Milne, Saginaw, $135,501.

Wis., Appleton—E. L. Williams, city clk., Apr. 1, paving, etc. 64,000 sq.yd. various streets, from White Constr. Co., 68 Wisconsin St., Milwaukee, sheet asphalt at $2.27 and $2.37 per sq.yd., bitulithic at $2.64; from Lampert Constr. Co., 11 Algoma St., Oshkosh, rein.-con. $2.43, and vibrolithic concrete $2.57. Noted Mar. 26.

Wis., Milwaukee—R. E. Stoelting, comr. Dept. Pub. Wks., Mar. 31, paving with **(a)** vibrolithic concrete **(b)** one course concrete **(c)** asphaltic concrete, **(1)** Arthur Ave. **(2)** Finn Pl. **(3)** 44th and 45th Sts. **(4)** 14th and 15th Sts. **(5)** 2nd Ave. **(6)** 17th St., from Czerwinski Constr. Co., 775 Natl. Ave., **(a1)** $3,328 **(a5)** $5,377; from R. H. Gumz, 831 13th Ave., **(b1)** $3,613 **(a3)** $18,254 **(b5)** $5,637 **(a6)** $2,715; from White Constr. Co., 68 Wisconsin St., **(c1)** $3,931;

Streets and Roads (Continued)

from A. Retzlaff, 868 Island Ave., **(a2)** $2,336; from S and H Constr. Co., 92 Mason St., **(a4)** $15,169; from Kroening Constr. Co., 39th Ave. and Mitchell St., **(b5)** $5,377; from G. Hirth, 1309 7th St., **(b6)** $2,625. Noted Mar. 26.

Wis., Neenah—H. S. Zemlock, city clk., grading, concrete curbing, guttering and concrete paving 10,300 sq.yd. 1st, 2nd, Lincoln and Center Sts., from C. Johnson, Hayes Bldg., Oshkosh, $25,721. Noted Mar. 26.

Minn., St. Paul — H. W. Austin, city purch. agt., Mar. 31, from Thornton Bros., 318 Endicott Bldg., sheet asphalt paving 4,932 sq.yd. Goodrich Ave. $16,622, sheet asphalt paving 3,904 sq.yd. and 1,353 sq.yd. brick paving Como Ave. N. $24,233; from Hanlon & Okes, 1501 Merchants Natl. Bank Bldg., sheet asphalt paving 16,373 sq.yd. Hewitt Ave., $55,654, from Fielding & Shepley, 216 West University Ave., 3,328 sq.yd. driveway in Como Park, $19,000. Noted Apr. 2.

Tex., Albany—Shackelford Co., grading and bridging 12.71 mi. State Highway 1, 24 ft., from E. Shelton, Temple, $60,879. Engrs. est. $88,700. Noted Feb. 26.

Tex., Sweetwater — Nolan Co., grading, bituminous on sledged stone and crushed stone rock surfacing 7.61 mi. State Highway 70, State Aid Project 534-A, Unit 1, from Abbott & Jenkins, Wilson Bldg., Dallas, $87,724. Engrs. est. $116,723.

Colorado—State Hy. Dept., Denver, Apr. 3, **(e. e. means engrs. est.)**, paving 1.908 mi. State Project 904-B, Arapahoe Co., 18 ft., from R. L. Hanes, 617 East 1st Ave., Denver, cement concrete $37,698, e. e. $47,770, from Allied Contractors, 411 Majestic Bldg., Denver, asphalt $47,629; concrete paving 1.951 mi. Federal Aid Project 246-C, Pueblo Co., 18 ft., from Strange-McGuire, 401 Savings & Trust Bldg., Salt Lake City, Utah, $57,109, e. e. $63,332; gravel surfacing 2.833 mi. Federal Aid Project 270-B, Rio Grande Co., 16 ft., from San Luis Valley Constr. Co., Sanford, $15,471, e. e. $25,051.

Calif., Glendale—City Council improving Howard, Bway. and Geneva Sts., from Federal Paving Co., 609 Standard Oil Bldg., San Francisco, 76,200 sq.ft. asphaltic concrete paving at $0.165 per sq.ft., 80,400 sq. ft. grading $0.03, 3,817 sq.ft. sidewalks $0.15, 722 lin.ft. curbing $0.50, total $34,-717. Engrs. est. $35,225. Noted Apr. 2.

Calif., San Diego — A. H. Wright, city clk., Mar. 30, 5 in. concrete paving, etc. 252,268 sq.ft. National Ave., from B. Noble, Spreckles Bldg., $41,682. Noted Mar. 19.

CONTRACTS AWARDED

Massachusetts—Dept. Pub. Wks., Boston, concrete paving 14,595 ft. highway from Taunton to Berkley, to C. Bianci, Framingham, $154,630. Noted Mar. 26.

Mass., Methuen—Bd. Selectmen, paving Bway., to P. J. Holland, Lawrence, $73,000.

Mass., Roxbury (Boston P. O.)—Dept. Pub. Wks., City Hall, Boston, recut granite block paving various streets, here, to J. McCourt Co., 46 Wait St., Roxbury, $31,211. Noted Apr. 2.

Rhode Island—State Bd. Pub. Rds., State House, Providence, paving Contr. 2501, to New Haven Rd. Constr. Co., New Haven, Conn., $182,370; Contr. 2502, to A. D. Bridges, Hazardville, Conn., $57,371; Contr. 2503, to T. E. Horne, Millbury, $62,071. Noted Apr. 9.

Conn., New Haven—E. S. Nettleton, city engr., City Hall, asphalt on concrete paving about 1,800 ft. Wall St., to Connecticut Natl. Paving Co., Inc., 173 Orange St., about $25,000; Church and Meadow Sts., to C. W. Blakeslee & Son, 58 Waverly St., to exceed $25,000.

N. Y., New York — H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., grading, curbing and sidewalks on Sagamore St., to C. L. Strada, $17,553; sheet asphalt paving Holland Ave., to C. D. Beckwith, 2875 Bway., $23,369, and Sheridan Ave. to Gaffney Constr. Co., 50 East 42nd St., $26,371. Noted Apr. 9.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., repaving East 124th St., to Gaffney Constr. Co., 50 East 42nd St., $7,090; granite block repaving West 124th St., to Asphalt Constr. Co., 208 Bway., $22,689; laying and relaying sidewalks when and where directed in 1925, to J. Meehan & Sons, 74 Cortlandt St., $16,981. Noted Apr. 9.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, grading and concrete paving Hylan Blvd. Contr. 4, to Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $259,871. Noted Apr. 9.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, granite block repaving Bway., to Richmond Paving Co., 48 Hyland Blvd., Rosebank, $19,239. Noted Mar. 19.

Pa., New Castle—Repaving Croton Ave., to Woods & Golder, New Castle, $45,050. Engrs. est. $50,000.

Fla., Davenport—Asphalt paving in Poinsetta Hills, to L. B. McLeod Constr. Co., Tampa, $30,000.

Fla., Largo — City, J. C. English, city mgr., constructing various streets, to J. B. Crary Constr. Co., Atlanta, Ga., $400,000.

Alabama—State Hy. Dept., Montgomery, limestone rock asphalt surfacing 6 mi. Juikins Ferry-Wetumka Rd., 18 ft., Elmore Co., to Uvalde Paving Co., Insurance Bldg., Dallas, Tex., $35,718, engrs. est. $36,000; rawhide type surfacing 4 mi. middle section above road, 18 ft., to Morgan Hill Paving Co., Woodward Bldg., Birmingham, $27,-720, engrs. est. $28,000; asphaltic concrete surfacing 5 mi. above road, 18 ft., to S. E. Finley, 212 West North Ave., Atlanta, Ga., $28,177, engrs. est. $28,200. Noted Apr. 9.

Miss., Coffeeville—Yalobusha Co., grading and gravel surfacing 8.756 mi. Federal Aid Project 161-C, 18 ft., to W. A. Morrison, Coffeeville, $70,571. Noted Mar. 19.

Miss., Louisville—Grading, curbing and 2½ in. brick on 4 in. concrete surfacing 15,-000 sq.yd. various streets, to Merrill Eng. Co., Jackson. Noted Mar. 12.

La., Monroe—Grading, gravel surfacing and bridging Eros-Cadeville Rd., to N. N. George Co., Shreveport. Engrs. est. $75,000.

Tenn., Maryville — Blount Co., grading and macadam surfacing various roads, to C. M. French Constr. Co., Maryville, approximately $392,600.

Tenn., Nashville—Will grade and macadam surface portions of 24th, 26th and 32nd Aves., also rock asphalt on macadam surface Meridian St. from Foster to Wilburn Aves., and 9th Ave. from Jefferson to Buchannon Sts., by day labor. W. W. Southgate, city engr.

O., Canton — Bd. Control, **(e. e. means engrs. est.)** to R. E. Cash Asphalt Paving Co., Cincinnati, brick paving Ross Ave. N. E. $25,022, e. e. $26,000, sheet asphalt paving Plain Ave. N. E. $35,853, e. e. $40,-000, improving 1.4 mi. Belden Ave. $145,-162, e. e. $150,000, Garfield Ave. N. W. $32,204, e. e. $35,000, 22nd St. $67,361, e. e. $75,000; to Wise Bros., 1132 11th St. N. W., grading, curbing, widening and sheet asphalt paving Cleveland Ave. N. W. $75,-660; e. e. $75,000. Noted Mar. 19.

O., Cleveland—For 92,300 sq.ft. cement sidewalks in Southerly Dist., to J. C. Wenrick, $25,727, 112,600 sq.ft. in Northerly Dist., to P. H. De Santis & Co., 8019 Hough Ave. $32,061, 70,500 sq.ft. in Westerly Dist., to Rieley Bros., The Arcade $19,780, 108,-400 sq.ft. in West Park Dist. to M. P. Platten, Engineers Bldg. $29,665; 482,500 sq.ft. stone sidewalks in above districts, to Ohio Quarries Co., Union Trust Bldg., $125,712; improving Bancroft Ave., 1,080 cu.yd. excav., 2,150 sq.yd. brick paving, 1,600 lin.ft. stone curbing and 1,650 lin.ft. 4 in. drain tile gutter, to Garland Bros. 5806 Franklin Ave., $12,612, West 136th and 137th Sts., 3,720 cu.yd. excav., 7,605 sq.yd. brick on concrete paving, 5,060 ft. stone curb and 5,400 lin.ft. 4 in. drain tile gutter, to Roehl Bros., 7002 Denison Ave., $44,997, East 116th St., Penhurst and Whitcomb Aves., 5,080 cu.yd. excav., 7,845 sq.yd. brick paving, 4,270 lin.ft. stone curbing, 5,150 lin.ft. 4 in. drain tile gutter, to H. G. Herring, Pavers Exch., $42,336, Barrington and Othello Aves., Woodworth Rd. and East 156th St., 8,440 sq.yd. vitr. brick paving, 5,120 lin.ft. stone curbing, 5,880 lin.ft. 4 in. drain tile gutter, 5,640 cu.yd. earth excav., to Gould & Maybach, 16,311 Saranec Rd., $55,956, Carnegie Ave., 29,000 sq.yd. sheet asphalt, 9,200 lin.ft. stone curbing, 9,500 lin.ft. 4 in. drain tile gutter, 16,500 cu.yd. earth excav., also Henninger Rd., East 113th, East 147th, West 22nd and West 50th Sts., 22,490 sq.yd. vitr. brick, 4,910 sq.yd. sheet asphalt, 18,-570 lin.ft. stone curbing, 19,800 lin.ft. 4 in. drain tile gutter, 14,850 cu.yd. earth excav., to Cleveland Trinidad Paving Co., The Arcade, $139,876 and $147,576 respectively. Noted Mar. 19.

O., Cincinnati — Hamilton Co., 200,000 gal. Tar Grade 1, to Hamilton Co. Repair Dept., to Barrett Coal Tar Co., 517 Carr St., $23,840. Engrs. est. $24,000. Noted Apr. 9.

O., Columbus—Bituminous stone macadam paving 1,016 ft. Hope Ave., and 1,336 ft. Haines Ave., both 25 ft., to Cleveland Trinidad Paving Co., Grand Theatre Bldg., $11,600 and $15,000.

O., East Cleveland (Cleveland P. O.)—M. Lees, 2988 Lemberton Rd., Cleveland Heights, sheet asphalt paving Nelecrest, Nealaview and Neledale Rds., to Cuyahoga Asphalt Paving Co., The Arcade, Cleveland, $45,000.

O., Idlewood (Cleveland Heights P. O.) —Improving Washington Blvd., Bushnell, Cranston, East Scarborough, Eaton, Edgarton, Fenwick, Lonsdale, Vernon and Westwood Rds., 49,500 sq.yd. sheet asphalt, 24,-400 lin.ft. sand stone curbing, 28,150 lin.ft. 4 in. drain tile gutter, 17,600 cu.yd. earth excav., to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $254,590. East Meadowbrook Blvd., Channing and Saybrook Rds., 14,700 sq.yd. sheet asphalt, 7,850 lin.ft. stone curbing, 8,650 lin.ft. 4 in. drain tile gutter, 6,900 cu.yd. earth excav., to Bentley Bros., 3030 Euclid Ave., Cleveland, $83,540; grading, curbing and paving Meadowbrook Blvd., Fenwick 1, Traymore and Tyndall Rds., to Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, $149,-976. Noted Apr. 9.

O., Lisbon—Columbiana Co., grading and limestone surfacing East Liverpool-East Palestine Rd., to Allison-Harris Co., East Liverpool, $45,049. Noted Feb. 26.

O., Niles—Brick paving Butler Rd., to J. DeJute, Niles, $27,531. Engrs. est. $30,000.

O., Salem — Asphaltic concrete paving Cleveland Ave., and brick paving Pershing Ave., to Kelly & Meyer Constr. Co., Youngstown, $25,893 and $28,357 respectively. Engrs. est. $28,000 and $30,000 respectively. Noted Apr. 9.

Michigan — State Hy. Dept., Lansing, grading and concrete paving 5.917 mi. Project 14-30, Gratiot Co., to A. Jeffrey, Saginaw, $147,912; also 5.002 mi. Project 46-27, Gratiot Co., to T. McNally, Saginaw, $107,620.

Michigan — State Hy. Dept., Lansing, paving Linn Lake Church and Clarendon Butler Rds., Calhoun Co. to Hayes & Disbrow, Hartford, $7,428 and $10,083 respectively; 8.6 mi. County Rd. 18, Calhoun Co., to Wise Constr. Co., Watervliet, $49,228.

Michigan — State Hy. Dept. at office Comrs. Ingham Co., Mason, grading and gravel surfacing Homer Rd. 2, to Graham & Rood, Mason, $6,444; Aurelius Rd. 1, to C. A. Diehl, Dansville, $4,815, Game Farm Rd. and Meredian to Maurer Bros., Lansing, $24,979; Meredian Rd. 4 and Williamston Center 3, to Sadler & Rector, Williamston, $23,730. Noted Mar. 19.

Mich., Detroit — To Otis Cement Constr. Co., 806 Hammond Bldg. grading and one course ocncrete paving 4,500 sq.yd. Alley 2126 $9,128, 1,430 sq.yd. Alley 2130 $3,597; to R. J. Powelson Co., 6415 Iroquois Ave., 965 sq.yd. Alley 2135 $2,255, 1,430 sq.yd. Alley 2137 $3,558; to Bishop & Weir, 1305 Lafayette Bldg., 3,580 sq.yd. Alley 2127 $8,728, 1,710 sq.yd. Alley 2128 $4,068, 1,620 sq.yd. Alley 2129 $4,038, 1,270 sq.yd. Alley 2131 $3,105, 1,120 sq.yd. Alley 2132 $2,770, Alley 2133 $2,692, 1,030 sq.yd. Alley 2134 $2,631, 490 sq.yd. Alley 2136 $1,272.

Illinois—Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, paving Route 9, Sects. 37, 38, 40, 41 and 41-D, Fulton and McDonough Counties, to Jansen & Schaefer, 212 North Cap St., Pekin, $376,874. Noted Apr. 2.

Ill., Geneva—City Clerk, rein.-con. surfacing, curbing, etc. 17,300 sq.yd. Anderson Blvd., to G. Welch, Beloit, Wis. Noted Mar. 26.

Ill., Rockford—Winnebago Co., grading, bridging, etc., 6.25 mi. Durand-Pecatonica Rd., 30 ft., to Anderson Bros., Rockford, $38,990; widening and concrete surfacing 2 mi. Grant Highway, 14 ft., to G. E. Welch, Beloit, Wis., approximately $40,000.

Ill., Monmouth — Rd. & Bridge Comn. Warren Co. 500,000 gal. road oil heated to 120 degrees F. on various roads, to Monarch Road Oil Co., Peoria Life Bldg., Peoria, approximately $30,000.

Wis., Eau Claire—O. E. Oien, city clk., improving various streets, 30,879 sq.yd. concrete paving, 13,279 ft. concrete curbing, 10,775 cu.yd. excav., etc., to A. Larson & Co., 419 South Barstow St., $66,498. Noted Mar. 26.

Wis., Waupun—Bd. Pub. Wks., 16,640 sq.yd. vibrolithic concrete paving, etc., various streets, to Schreiber & Waterworth, Randolph, $53,653. Noted Apr. 2.

Ia., Marshalltown—Concrete curbing and 8 in. rein.-con. surfacing about 16,000 sq.yd. North 3rd Ave., to A. Carlson, Woodbury Bldg., $40,301. Noted Mar. 26.

Minn., Roseau — S. G. Bertilrud, and Roseau Co., to H. Mesenbrick, Roseau, improving County Project 2501, 24,143 cu.yd. excav., etc., $17,313, and gravel surfacing 7,603 cu.yd. to 1 mi. point, 33,085 cu.yd. mi. gravel over 1 mi. haul $9,923.

North Dakota — State Hy. Comn. and Comrs. Mountrail Co., at Stanley, to Hall & Booth, Stanley, grading 6.6 mi. Federal Aid Project 243-B, South of Stanley, 46,-582 cu.yd. earth and 700 cu.yd. rock excav., etc. $19,288, 6 mi. Federal Aid Project 258-B, north of Lostwood, 52,113 cu.yd. earth and 900 cu.yd. rock excav., etc. $17,-

Streets and Roads (Cont.)

696, 7 mi. Federal Aid Project 277, south of Parshall, 34,311 cu.yd. earth and 1,050 cu.yd. rock excav., etc. $18,142. Noted Feb. 26.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, to Bridges Asphalt Paving Co., Buder Bldg., asphalt paving 6,815 sq.yd. 18th St. $34,080, granite curbing and asphaltic concrete paving 2,030 sq.yd. Concord Pl. $11,-971, 2,940 sq.yd. Robert Ave. $16,308, concrete curbing and asphaltic concrete surfacing 615 sq.yd. Pennsylvania Ave. $5,116; to Granite Bituminous Paving Co., Railway Exch. Bldg., Warrenite bitulithic paving 4,959 sq.yd. Belt Ave. $22,115, 10,450 sq.yd. De Tonty St. $58,663, Lake Ave. $17,901; to Blackburn-Crean Constr. Co., Chouteau Trust Bldg., concrete curbing and concrete paving 1,515 sq.yd. Frederick St. $7,509; from Eyermann Constr. Co., 1216 South Grand Blvd., granite curbing and concrete paving 4,135 sq.yd. Nagle Ave. $21,718; to Skrainka Constr. Co., Security Bldg., granite curbing and brick on concrete surfacing 2,040 sq.yd. West Park Ave. $12,289; to Brighton Constr. Co., 211 Josephine Bldg., Warrenite bitulithic paving 4,200 sq. yd. San Francisco Ave. $20,559. Noted Apr. 2.

Tex., El Paso—El Paso Co., paving 15.62 mi. State Highway 1, Federal Aid Project 439-E, 18 ft., to S. D. Mangum Co., El Paso, $315,112. Noted Apr. 9.

Tex., Wichita Falls — Willite on black base paving 21 blocks 6 streets, to Plains Paving Co., Staley Bldg., $45,686.

Okla., Tulsa—To Tibbets & Pleasant, 209 North Nogales St., grading and sheet asphalt surfacing 6,078 sq.yd. Impvt. Dist. 624, $33,388, engrs. est. $35,000; to Standard Paving Co., 1742 East 6th St., 4,887 sq. yd. Impvt. Dists. 619 and 620, $26,370, engrs. est. $28,419, and 7,485 sq.yd. Impvt. Dists. 616 and 617, $36,240, engrs. est. $38,-310; to H. L. Cannady, 1122 South Lewis St., 4,384 sq.yd. Impvt. Dist. 622, $26,106, engrs. est. $27,894, 6,980 sq.yd. Impvt. Dists. 615-618, $30,049, engrs. est. $31,000, and grading and concrete surfacing 5,665 sq.yd. Impvt. Dist. 621, $25,554, engrs. est. $26,419.

Nevada — State Hy. Dept., Carson City, constructing 25.30 mi. road from Winnemucca to Stone House Federal Aid Project 76- c, 82- B. C and D. Humboldt Co., 122,900 cu.yd. excav., 34,410 sta.yd. overhaul, 24.29 mi. prepare sub grade and shoulders, 33,260 cu.yd. load and screen gravel, 77,900 yd. mi. haul and 32,760 cu.yd. spread gravel, etc., to J. F. Murphy, 6510 Wilshire St., Los Angeles, Calif., $162,042. Noted Mar. 19.

California—State Hy. Comn., Sacramento, grading and surfacing 9.3 mi. highway between Imperial and Brawley, Imperial Co., to H. G. Fenton, Dewey St., San Diego, basis of corrugated metal pipe and gravel surface. $97,914. Engrs. est. $135,235. Noted Mar. 26.

Calif., Hermosa Beach—Curbing, guttering, sidewalks and national on 4 in. asphaltic concrete paving, etc. Hermosa Ave., to B. C. Nichols, 1216 Manhattan Ave., Manhattan Beach, $57,195. Noted Mar. 19.

Calif., Los Angeles — Grading and concrete paving, etc., 208,037 sq.ft. Nordhoff St. between Brand Blvd. and Balboa Ave., to Chalmers & Ford, H. W. Hellman Bldg., $49,467; concrete paving, curbing, etc., Washington St. between Alameda St. and Central Ave., to T. W. Oglesby, 423 Edgewood Rd., Santa Ana, $60,715. Noted Apr. 2.

Calif., Santa Ana—Orange Co., grading and gravel surfacing approximately 6.5 mi. Ball Rd., Walker and Glenn Aves., to B. R. Ford, 407 West 17th St., $29,025.

Calif., Westmoreland—Imperial Co. (El Centro), constructing 2,285 ft. highway through here, to Pioneer Transfer Co., Calexico, $35,082.

Ont., Hamilton—Wentworth Co. will expend $44,825 for maintenance of gravel and macadam roads. Work will be done by day labor under supervision of H. A. Lumsden, co. engr.

Ont., Smiths Falls—Lanark Co. will construct tar and oil, 28 mi. various roads, and maintenance work, by day labor. $75,000 and $30,000 respectively. S. D. Code, Smiths Falls, engr.

Ont., Woodstock—Oxford Co. voted $80,-000 bonds for road maintenance. Work will be done by day labor. F. J. Ure & Sons, Woodstock, engrs.

Buildings—Industrial

PROPOSED WORK

Mass., Beverly—REPAIR and SERVICE GARAGE—S. Glazer, 51 Hawthorne St., plans one story, concrete, Wallace and Rantoul Sts. $56,000. Engineer and architect not selected.

Mass., Medford—REPAIR and SERVICE GARAGE—Boston Elevated Ry. Co., Park Sq., Boston, plans 1 story, 112 x 125 ft., rein.-con., brick and steel, Salem St. $120,000. Private plans.

Mass., Reading—PLANT—Town plans improvement and addition to electric light plant, supplying Reading, North Reading, Wilmington and Lynnfield Centre. $135,000. Engineer and architect not selected.

Mass., Shrewsbury—PLANT—Commonwealth Ice Co. plans rebuilding plant recently destroyed by fire. $50,000. Engineer and architect not selected.

N. C., Kinston—PLANT—L. B. Jenkins Tobacco Co. plans large plant. $60,000.

N. C., Thomasville—FACTORY—Thomasville Furniture Co. plans to double capacity furniture factory, incl. drying house, new boiler room and electric plants. $60,-000. R. L. Lambeth & J. R. Meyers, principal owners.

Fla., St. Petersburg—FACTORY—Ground Bros. Mfg. Co., plans fireproof factory, 24th St. and 7th Ave. $100,000.

O., Cleveland—FACTORY—Sabin Machine Co., H. B. Sabin, pres., 6536 Carnegie Ave., soon lets contract 3 story and basement, 45 x 90 ft., brick and steel addition. $40,000. Private plans.

O., Lorain—FACTORY—R. C. Products Co., W. H. Evers, pres., Engineers Bldg., Cleveland, having plans prepared 1 story, brick factory, here. $50,000. Private plans.

Ill., Chicago — PRINTING PLANT — World Book Co., 2130 Prairie Ave., having sketches made 10 story and basement, 50 x 178 ft. printing plant, 2120 Prairie Ave.

BIDS DESIRED

Mass., Cambridge (Boston P. O.)—REPAIR and SERVICE GARAGE—Dunster Realty Co., c/o E. B. Stratton, archt., 25 Arch St., Boston, taking bids 1 story, 70 x 120 ft., rein.-con. and brick addition, Mt. Auburn and Boylston Sts. $60,000.

Mass., Dorchester (Boston P. O.)—REPAIR and SERVICE GARAGE—J. Waldman, 38 Hobson St., Brighton, taking bids 1 story, 150 x 160 ft., rein.-con. and brick, Livingstone St. $100,000. S. S. Eisenberg, 46 Cornhill St., Boston, archt.

Mass., Rockport — PLANT — Cape Ann Tool Co., Pigeon Cove, taking bids 2 story and basement, rein.-con. and brick addition. J. O. DeWolf, 45 Bromfield St., Boston, archt. and engr.

R. I., Woonsocket—MILL—Florence Dye Wks., 53 South Main St., taking bids 2 story, 25 x 200? ft., brick addition, plain foundation. $40,000. J. A. Nadeau, 629 Social St., archt.

Conn., Buckland—MILL—E. E. Hilliard Co., taking bids brick carding, spinning and finishing addition. $40,000 or more. C. T. Main, 200 Devonshire St., Boston, Mass., archt. and engr.

N. Y., Long Island City—HOUSING STATION—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., Apr. 7, housing station, 62nd Rd. and 94th St., from Werner Mitchell, Inc., 1 De Kalb Ave., Brooklyn, $71,394. Noted Apr. 2.

N. Y., New York — POWER HOUSE — Apr. 24, by E. J. O'Malley, comr. Pub. Markets, Municipal Bldg., refrigeration power house, Exterior St. and East 151st St.

N. Y., New York—FACTORY—Shroder & Koppel, (owner and contractor), 347 Madison Ave., will build 6 story, 16 x 93 ft. factory, 237 East 37th St. Work will be done by separate contracts.

N. J., Trenton — SUBSTATION — Pub. Service Corp., 80 Park Pl., will build substation. $2,000,000. Work will be done by separate contract. T. N. McCarter, pres.

Miss., Centreville—SAW MILLS—Reed Lumber Co. taking bids 2 saw mills, each 25,000 ft. per 10 hours capacity, with standard steam dry kilns, engines, boilers, etc., new or second hand equipment, incl. fast fee planing machine, blower, conveyors, pumps, etc. Private plans.

O., Cleveland—MACHINE SHOP—Star Machine & Tool Co., J. J. Schuger, pres., 6505 Carnegie Ave., taking bids 1 story, 93 x 100 ft., brick and steel, East 93rd St. $40,000. Private plans.

Wis., Neopit — SAWMILL — May 8, by Menominee Indian Mills, E. A. Allen, supt., 2 story, 66 x 95 ft., rein.-con., plain foundation, Indian Reservation. Private plans.

Tex., Galveston — LAUNDRY — Model Laundry Co., c/o W. A. Johnson, pres., 2727 J St., Galveston, taing bids 2 story, 80 x 120 ft., rein.-con., brick and steel, plain foundation, here. $60,000. Engineer and architect not announced.

CONTRACTS AWARDED

Me., Camden—PLANT—Seabright Woven Felt Co., c/o F. E. Page, 68 Essex St., Boston, Mass., 2 story and basement, brick and timber, plain foundation, to Brown & Berry, Inc., 22 Monument Sq., Portland. Archts. est. $100,000. Noted Mar. 19.

Mass., Fall River — PLANT — Sanitary Laundry Corp., 484 County St., 2 story, brick and steel, County St., to M. S. S. Flores, 302 Oliver St. Archts. est. $40,000.

Mass., New Bedford—WAREHOUSE—New Bedford Boiler & Machine Co., 42 Frost St., 4 story, 60 x 165 ft., brick, Water and Commercial Sts., to W. Young, 122 Union St.. Archts. est. $150,000. Noted Apr. 9.

Mass., North Beverly (mail Beverly) — REPAIR and SERVICE GARAGE—H. H. Whitman, 2½ story, rein.-con., tile and stucco, Grove St., to W. H. Cann, 252 Rantoul St. Beverly. Archts. est. $50,000. Noted Apr. 9.

Mass., Quincy—REPAIR and SERVICE GARAGE—R. P. Harriman, 560 Adams St., will build one story, 50 x 100 ft. with 35 x 50 ft. ell, brick and concrete, Adams St., by day labor. $40,000. Clark, Batty & Gallegher, 13 Temple St., archts.

Mass., Salem—REPAIR and SERVICE GARAGE—Wetmore & Simons, 118 Washington St., 1 story, rein.-con., brick and steel, Washington and Derby Sts., to E. H. Porter, 13 Wallis St., Peabody. Archts. est. $50,000.

Mass., Somerville—REPAIR and SERVICE GARAGE—M. Cota, 14 Mansfield St., one story, 60 x 100 ft., concrete, to Frankiki Bros., 26 Rockland Ave., Medford. Archts. est. $40,000. Noted Apr. 9.

Mass., Weston — PLANT, etc. — Fuelite Natural Gas Co. of New England, 1441 Beacon St., Brookline, will build 2 story, 50 x 100 ft., brick factory, office and garage, here, by day labor. $40,000. Private plans.

R. I., Providence—TURBINE—Narragansett Electric Co., Turks Head Bldg., 1 and 2 story, about 65 x 95 ft., brick and stone, to S. C. Sperry Co., 293 Main St., Cambridge, Mass. Noted Aug. 28.

Conn., New Haven — BOILER HOUSE, etc.—Amer. Steel & Wire Co., 237 Fairmont Ave., altering brick, steel and concrete boiler house, extending sidewalks, building coal bunkers with steel supports, coal chutes and conveyors, to Standard Constr. Co., 153 Court St. Archts. est. $45,000.

Conn., Waterbury—INDUSTRIAL—Bristol Co., 1 story, 118 x 123 ft., brick and steel, to Immick Co., State St., Meriden. $80,000.

N. J., Trenton—WAREHOUSE—Trenton Potteries, 4 story, 50 x 101 ft. warehouse, to S. W. Mather & Sons, Greenwood Ave., $50,000.

N. C., Raleigh—WAREHOUSE—E. C. Hillyer, Hillsboro, large brick warehouse, Hargett St., to J. E. Beaman, New Odd Fellows Bldg. $54,000.

O., Cleveland — PRESS — Fisher Ohio Body Co., East 140th St. and Colt Rd., Cleveland, and General Motors Bldg., Detroit, Mich., 1 story, 82 x 210 ft. press building with 64 x 112 ft. wing and 33 x 180 ft. train shed, brick and steel, East 140th St. and Colt Rd., to J. A. Utley, 892 Boston Bldg., Detroit, Mich. Archts. est. $150,000. Private plans.

O., Cleveland—FACTORY and STORAGE—Green, Haas & Schwartz Co., E. Hass, pres., 1967 East 57th St., 2 story, 50 x 50 ft., brick and steel factory alterations and storage building, Berea Rd., to Uhl-Jaster Co., 1900 Euclid Bldg. Archts. est. $60,000. Noted Apr. 9.

O., Cleveland—FACTORY, etc.—G. L. Williams Co., G. L. Williams, pres. and treas., 621 Johnson Ave., 1 and 2 story, 50 x 125 ft. and 40 x 70 ft., brick and steel factory, office and warehouse, Train Ave., to McKee Constr. Co., 4228 West 35th St. Archts. est. $70,000. Noted Apr. 2.

O., Columbus—FACTORY, etc.—Ralston Steel Car Co., East Columbus St., 60 x 180 ft., brick and tile wheel and axle building, 63 x 105 ft. corrugate iron extension to main building and 56 x 70 ft. storage building, saw tooth construction, to L. L. LeVegue Co., Columbus, about $55,000. Noted Mar.

O., Mt. Union (Sta. Alliance)—PRINTING PLANT, etc.—McCaskey Register Co., Alliance, 3 story, 120 x 220 ft. plant, 3 story 46 x 55 ft. boiler house and 3 story 150 x 300 ft. office building, rein.-con., brick and steel, to W. F. Thompson & Con., Chester-Twelfth Bldg., Cleveland. Archts. est. $300,000. Noted Jan. 15.

Mich., Detroit—FACTORY—Fisher Body Corp., General Motors Bldg., 1 story, 60 x 500 ft., concrete, brick and steel, plain foundation, St. Antoine St., to J. Utley Co., 718 Penobscot Bldg. Archts. est. $50,000.

Ill., Chicago—FACTORY—B. H. Bisbee, 175 West Jackson Blvd., general contract 1 story, 100 x 125 ft., rein.-con., brick and stone, plain foundation, 1901 Carrol Ave., to H. H. Stoddard Co., 60 West Washington St., $43,689. Archts. est. $45,000.

Ill., Chicago—FACTORY—Western News Co., 25 East Austin Ave., general contract 4 story and basement, 80 x 100 ft., rein.-con., brick and terra cotta, plain foundation, East Austin Ave., to Turner Constr.

Buildings—Industrial (Continued)

Co., 6 North Michigan Ave. Archts. est. $150,000.

Ill., Murphysboro — FACTORY — Brown Shoe Co., 1610 Washington Ave., St. Louis, Mo., rebuilding 100 x 200 ft., brick and concrete factory, here, recently destroyed by tornado, to Dickie Constr. Co., Syndicate Trust Bldg., St. Louis, Mo. Noted Apr. 9.

Ill., Murphysboro—ICE PLANT—R. and E. Stecher, 3 story, 85 x 135 ft., brick and concrete, here, to E. Friens, Murphysboro. Archts. est. $50,000.

Wis., Cobb—FACTORY—Cobb Canning Co. will build 2 story, 50 x 65 ft., brick and rein.-con. factory, plain foundation, by day labor. $40,000. Private plans. Noted Mar. 5.

Wis., Oconomowoc — FACTORY — Oconomowoc Canning Co., 1 story, 90 x 110 ft. and 28 x 30 ft. brick and timber addition, plain foundation, to F. A. Felhofer, 700 East 4th St., Marshfield. Archts. est. $40,000.

Wis., Wisconsin Rapids — FACTORY — Prentiss-Wabers Mfg. Co., 1 story, 52 x 250 ft., brick and timber factory, plain foundation, to F. J. Henry, Old Natl. Bank Bldg. Archts. est. to exceed $40,000.

Kan., Topeka—FLOUR MILL—Topeka Flour Mills Co., 126 North Jefferson St., eight 18 x 90 ft., rein.-con. storage tanks, conveyors, etc., to Industrial Eng. Co., Kansas City, Mo. Engrs. est. $40,000.

Mont., Troy — ROUNDHOUSE, etc. — Great Northern Ry. Co., Railway Bldg., St. Paul, Minn., general contract 18 stall roundhouse, brick and timber, 38 x 58 ft. brick power house, brick storehouse, water tank, turntable, cinder pits, etc., here, to S. J. Siverson, 3100 43rd Ave. S., Minneapolis.

Tex., New Braunfels—POWER PLANT—Comal Power Co. of San Antonio, a subsidiary of San Antonio Pub. Serv. Co., 201 North St. Marys St., San Antonio, giant electric power plant on Guadalupe River, near here, and a transmission line to San Antonio, to U. G. I. Contg. Co., Broad and Arch Sts., Phila., Pa., about $3,000,000.

Buildings—Commercial

PROPOSED WORK

Mass., Boston—HOME—Home for Aged Women, c/o Coolidge, Shepley, Bulfinch & Abbott, archts., Ames Bldg., having plans prepared 4 story and basement, plain foundation, Revere St. $200,000. Richardson & Gay, 220 Devonshire St., consult. engrs. for heating, ventilating and electrical systems. This corrects report in Feb. 26 issue.

Mass., Lynn — APARTMENT — J. H. Shabby, c/o P. Varney, archt., 25 Exchange St., having preliminary plans prepared 3 story and basement, brick, Highland Ave. and Essex St. $150,000.

Mass., Malden—STORE and OFFICE—J. Ruderman & Son, 57 Ferry St., having plans prepared by C. F. Springell, 50 Concord St., 2 story and basement, 45 x 140 ft., rein.-con. and brick, Ferry St. $150,000.

Mass., Pittsfield—STORE—England Bros. Dept. Store, North St., had revised plans prepared by G. E. Haynes, 184 North St. 3 story and basement, 50 x 100 ft., brick addition. $150,000. Former bids rejected. Noted Jan. 22.

Mass., Quincy (Boston P. O.) — THEATRE and STORE—Natl. Theatre Co., c/o Tuck & Co., 636 Warren St., Roxbury, having revised plans prepared 2 story and basement, 60 x 200 ft., rein.-con., brick and steel, plain foundation, Hancock St. $200,000. Former bids rejected. Noted Feb. 26.

Conn., Hartford — FIRE HEADQUARTERS—City plans addition to present fire department headquarters, Pearl St. $265,000.

Conn., Hartford—HALL—Labor Temple Assn., Inc., having plans prepared by J. F. Rutledge, 70 Harold St., 3 story, 1st floor, 50 x 200 ft., 2nd and 3rd floors, 50 x 95 ft., etc., brick and stone, Park St. $150,000.

Conn., New Haven—THEATRE—Owner, c/o H. S. Cannici, archt., 85 Church St., having plans prepared 2 story, 80 x 150 ft., brick and steel, Whalley Ave. $150,000 or more.

N. Y., Alden—PENITENTIARY—Erie Co., City Hall, Buffalo, having plans prepared by W. J. Bearadsley, 49 Market St., Poughkeepsie, penitentiary addition, here. $260,000.

N. Y., Brooklyn—APARTMENT—D. S. Lang, archt., 110 West 40th St., New York City, preparing plans 6 story, brick, steel and stone, plain foundation, Kings Highway. Owners name withheld.

N. Y., New York—APARTMENT—D. S. Lang, archt. and engr., 110 West 34th St., preparing plans 6 story, brick, steel and stone, plain foundation, 165th St. and Audubon Ave. $250,000. Owner's name withheld.

N. Y., New York — APARTMENT — A. Brisbane, 238 William St., having plans prepared by E. Roth, archt. and engr., 119 West 40th St., 22 story, brick, steel and stone, plain foundation, 54th St. and 6th Ave.

N. Y., New York — APARTMENT — Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., preparing plans 6 story, brick, steel and stone, plain foundation, Fordham Rd. $350,000. Owners name withheld.

N. Y., New York—HOTEL—A. Brisbane, 238 William St., having plans prepared by E. Roth, archt. and engr., 119 West 40th St., 5 story, 100 x 100 ft., brick, steel and stone, plain foundation, 102nd St. and 2nd Ave.

N. Y., New York — OFFICE — Lee and J. J. Shubert, 223 West 44th St., having plans prepared by H. J. Krapp, archt. and engr., 1650 Bway., 14 story, brick, steel and stone, plain foundation, 236 West 44th St.

N. Y., Williamsville—DANCE HALL—A. Funk, 93 Miller Ave., having plans prepared dance hall. $170,000. Engineer and architects names withheld.

Pa., Verona—BANK—First Natl. Bank having plans prepared by S. A. Miller, 511 C Ave., Brooklyn, New York, 2½ story and basement, 50 x 125 ft., stone, granite and brick on hollow tile bank, Front St. $150,000.

Md., Baltimore—HOTEL and STORE—I. Silberstein, 402 St. Paul St., interested in company who are having preliminary plans prepared by A. L. Harmon, 19 West 44th St., New York City, 18 story, brick and steel, plain foundation, North and Maryland Aves. $1,000,000.

Mich., Detroit—OFFICE—Book Estate, Book Bldg., having plans prepared by L. Kamper, 3729 Cass Ave., 35 story and 3 basements, rein.-con., brick and steel, plain foundation, Washington Blvd. and Grand River Ave. $3,000,000.

Ill., Chicago — APARTMENT — J. L. Cuyen, 124 North Crawford Ave., having revised plans prepared by J. Jensen, 1105 Lawrence Ave., 3 story and basement, 112 x 120 ft., brick and stone, plain foundation, Melrose St. $150,000.

Ill., Chicago — APARTMENT — H. J. Apfelbach, owner and archt., 952 North Michigan Ave., preparing plans 3 story and basement, 165 x 172 ft., brick and stone, plain foundation, Taylor St. $250,000.

Ill., Chicago — HOTEL, OFFICE and THEATRE — L.O.O.M. Chicago 1, c/o B. Johnson, secy., 155 North Clark St., plans hotel, office and theatre building. $2,000,000. Engineer and architect not selected.

Ill., Chicago—LODGE—Mid City Lodge Odd Fellows, c/o S. J. Grusd, 160 North LaSalle St., had plans prepared by Langenhein & Friedman, archts. and engrs., 39 West Adams St., 2 story and basement, 75 x 142 ft., rein.-con., brick and stone, plain foundation, 3344 Jackson St. $200,000.

Ill., Chicago—OFFICE—Singer Sewing Machine Co., 39 South LaSalle St., having plans prepared by Mundie & Jensen, archts. and engrs., 39 South LaSalle St., 10 story and basement, 25 x 120 ft., rein.-con., brick, steel and stone, caisson foundation, State St. $500,000.

Ill., Chicago — OFFICE and APARTMENT—Wagner Bros., 6222 Cottage Grove Ave., having plans prepared by C. Archer, 6222 Cottage Grove Ave., 3 story and basement, 100 x 131 ft., rein.-con., brick and stone, plain foundation, 79th and Racine Sts. $300,000.

Tex., San Antonio — THEATRE and OFFICE—W. J. Lytle, 12 Princess Theatre Bldg., having plans prepared by Boller Bros., 114 West 10th St., Kansas City, Mo., 5 story and basement, 93 x 276 ft., rein.-con. and steel, plain and some caisson foundation, Houston, Travis and Riverside Sts. $1,000,000.

Calif., Los Angeles—BANK and OFFICE—Pacific Natl. Bank soon takes bids for general contract 12 story and basement, 95 x 166 ft., brick and steel, 9th and Hill Sts. $1,000,000. Morgan, Walls & Clements, 1124 Van Nuys Bldg., archts. Noted Jan. 15.

Calif., Los Angeles—HOSPITAL—Good Samaritan Hospital, c/o R. D. Johnson, archt., Union Bank Bldg., having preliminary plans prepared approximately 8 story and basement, rein.-con., Shatto St. $1,000,000 or more.

Calif., Los Angeles—OFFICE—O. G. Wilhelm, c/o H. B. Watson, archt., 425 South Western Ave., having preliminary plans prepared, probably 5 story (ultimately 10 story) and basement, Class A, Pico St. and Western Ave. To exceed $150,000.

Calif., Los Angeles—STORE and LOFT—H. Newmark Estate, c/o Curlett & Beelman, archts., Union Bank Bldg., having plans prepared 12 story and basement, 150 x 160 ft., rein.-con., 9th and Los Angeles Sts. To exceed $450,000.

BIDS DESIRED

Mass., Somerville (Boston P. O.) — STORE, OFFICE and GARAGE—Kolligian & Sons, 9 Union Sq., taking bids 2 story and basement, 8,000 sq.ft. floor space, rein.-con. and brick, Union Sq. $150,000. J. A. Quirk, 10 Tremont St., Boston, archt.

Conn., New Britain—APARTMENT and STORE—Ukranian Corp., c/o C. C. Palmer, 85 West Main St., taking bids 4 story and basement, 75 x 85 ft., brick and stone, plain foundation, North St. $150,000.

N. Y., New York—HOUSE OF DETENTION—Apr. 23, by W. W. Mills, comr. Plants & Structures, Municipal Bldg., steel framework, foundation walls, column footings, etc., for womens court and house of detention, 30th St. between 6th and 7th Aves.

Pa., York — Apr. 24, by E. Leber, Hay Bldg., and Thomas, Martin & Kirkpatrick, Cunard Bldg., Phila., archts., 2 and 5 story and basement, 370 x 274 ft., brick, rein.-con. foundation, Newberry and Phila. Sts., for Y. M. C. A. $500,000.

La., New Orleans—TEMPLE—May 23, by S. Stone, Jr., archt., 714 Union St., 16 story, 103 x 170 ft., steel, brick and limestone, St. Charles and Perdido Sts., for Masonic Assn. $2,250,000. Noted Feb. 26.

O., Cleveland—APARTMENT—M. Goodman, Ulmer Bldg., taking bids 4 story, 100 x 100 ft., brick, West Blvd. $200,000. G. Rudolph, 3922 Trumbull Ave., archts.

O., Cleveland Heights (Warrensville P. O.) — STORE and APARTMENT, etc. — Coventry Leasehold Co., c/o H. Caplan, 3464 East 123rd St., Cleveland, taking bids 2 story, 67 x 150 ft. store and apartment, 1794 Coventry Rd., and 3 story, 38 x 112 ft. apartment, 2783 Lancashire Rd., brick and timber, here. $250,000.

O., Lakewood (Cleveland P.O.)—STORE and APARTMENT—H. A. Latten & J. J. Hinslea, 310 Lakeside Ave. N. W., Cleveland, taking bids 3 story and basement, 60 x 128 ft., brick, 14900 Detroit Ave., here. $150,000. Braverman & Havermaet, 208 Ulmer Bldg., Cleveland, archts.

Mich., Brightmoor—THEATRE and OFFICE — LeWin Development Co., 2639 Woodward Ave., Detroit, taking bids 2 story and basement, 100 x 120 ft., concrete, brick and steel, plain foundation. $150,000. C. K. Bell, 2316 Dime Bank Bldg., Detroit, archt.

Mich., Detroit — APARTMENT — P. A. Miller, Majestic Bldg., taking bids 3 story and basement, 98 x 111 ft., brick, steel and stone, plain foundation. Byron Ave. $175,000. Halpin & Jewell, 1024 Hammond Bldg., archts.

Mich., Detroit — MERCANTILE — Stahl, Kinsey & Hartwick, archts., 628 McKerchey Bldg., taking bids 4 story and basement, 109 x 200 ft., brick and steel, plain foundation, Michigan Ave. $175,000. Owner's name withheld.

Ill., Chicago — Studio — Gallup & Joy, archts., 646 North Michigan Ave., taking bids 7 story and basement, 40 x 100 ft., rein.-con. and brick, caisson foundation, Pearson St., for F. Schoenfield, 83 South Dearborn St. $250,000.

Ill., St. Charles—BANK and APARTMENT—Wolf, Sexton, Harper & Traux, archts., 7 West Madison St., Chicago, taking bids 2 story and basement, 44 x 90 ft., rein.-con., brick, marble, stone and terra cotta, plain foundation, Main St., here, for E. J. Baker. $150,000.

Ill., Chicago—APARTMENT HOTEL—P. Klein, 110 North Dearborn St., taking bids 3 story and basement, 50 x 160 ft., rein.-con., brick and stone, plain foundation, Magnolia St. $200,000. Hyland & Corse, 159 East Antario St., archts.

Ill., Chicago—HOTEL—A. Epstein, engr. and archt., 2001 West Pershing Rd., taking bids 6 story and basement, 131 x 312 ft., rein.-con., brick and terra cotta, plain foundation, 47th St. and Drexel Blvd., for Forty-Seventh and Drexel Corp.

Wis., Madison—STORE, etc.—O. Rennebohn, 1817 Kendall Ave., taking bids 2 and 3 story and basement, 60 x 150 ft., rein.-con., brick and steel, plain foundation, University Ave. $150,000. Private plans.

Neb., Omaha—COMMUNITY—Apr. 22, by L. A. Daly, archt., 622 Peters Trust Bldg., 6 story and basement, 140 x 152 ft., rein.-con., brick and steel, 20th and Dodge Sts., for Knights of Columbus, c/o W. C. Fraser, pres. $500,000. Noted Jan. 1.

N. D., Valley City—COURT HOUSE—Apr. 30, by C. W. Nelson, aud. Barnes Co., 3 story, rein.-con., brick and stone. $225,000. Toltz, King & Day, Builders Exch. Bldg., St. Paul, Minn., archts. Noted Jan. 8.

Calif., Burlingame—EXCHANGE—Bliss & Faville, archts., Balboa Bldg., San Francisco, taking bids 3 story and basement, rein.-con. phone exchange, here, for Pacific Telegraph & Telephone Co., 333 Grant Ave., San Francisco. $150,000.

Calif., Hollywood—THEATRE, STORE and LOFT—G. A. Landsburgh, archt.,

Buildings—Commercial (Continued)

Hillstreet Bldg., Los Angeles, taking bids 6 story and basement, 125 x 180 ft., steel and rein.-con. theatre, store and loft building, for Hollywood Impvt. Co., c/o architect. To exceed $500,000.

Calif., San Jose — BANK — G. A. Lansburgh, archt., 140 Montgomery St., San Francisco, taking bids 2 story and basement, Class A annex, 1st and San Fernando Sts., here, for Mercantile Trust Co. $150,000.

CONTRACTS AWARDED

Me., Augusta—HOTEL—Weavers Restaurant, Water St., 6 story and basement, brick and timber addition, Water St., to H. Tremblay, 182 Ash St., Lewiston. Archts. est. $150,000. Noted Apr. 2.

Mass., Amherst—CLUBHOUSE—Amherst Lodge Knights of Columbus, Belchertown, 3 story and basement, 50 x 130 ft., brick and stone clubhouse, to M. J. Walsh & Sons, 1412 Dwight St., Holyoke. Archts. est. $150,000. Noted Aug. 14.

Mass., Attleboro — HOSPITAL — Sturdy Memorial Hospital, 3 story and basement, rein.-con., brick and stone addition, Sturdy St., to B. W. Neal, Inc., 293 Boylston St., Brookline. Archts. est. $200,000. Noted Mar. 12.

Mass., Attleboro — STORE and OFFICE —M. Rudnick, 333 Washington St., Boston, will build 1 and 2 story and basement, 70 x 90 x 100 ft., brick and stone, South and County Sts., by day labor. $150,000. Silverman, Brown & Heenan, 51 Cornhill St., Boston, archts.

Mass., Boston — APARTMENT — O. P. Silverstein, 72 Huskings St., Roxbury, will build 3 story and basement, brick, Brainard Rd. and Walbridge St., by day labor. $200,000.

Mass., Boston—CLUB—University Club, J. W. Powell, pres., 24 Federal St., Boston, 4 and 6 story and basement, brick and limestone, plain foundation, Stuart St. and Trinity Pl., to W. A. and H. A. Root, Park Sq. Bldg. Archts. est. $1,750,000. Noted Feb. 5.

Mass., Cambridge (Boston P. O.) — APARTMENT — S. F. Mitell, c/o G. N. Jacobs, archt., 4 Park St., Boston, will build 5 story and basement, 104 x 201 ft., brick and stone, plain foundation, Prescott St. and Bway., by day labor. $450,000. Noted Apr. 2.

Mass., Fall River — THEATRE — N. Yamins, 57 Main St., structural steel for 1 and 2 story, rein.-con., brick and steel, plain foundation, Main St., to Eastern Bridge & Structural Co., 88 Crescent St., Worcester; masonry work, to F. J. Rudd, 534 Weetamoe St.; carpentry and other work will be done by day labor. Archts. est. $150,000. Noted Jan. 29.

Mass., Medford — NURSES' HOME — Lawrence Memorial Hospital, B. B. Moore, chn., 3 story and basement, 50 x 92 ft., brick and cast stone, plain foundation, Forest St., to J. M. Hartwell, Highland Ave., Somerville. Archts. est. $150,000. Noted Jan. 8.

Mass., Roxbury (Boston P. O.)—APARTMENT—S. Rubinstein, 92 Howland St., will build 3 story and basement, brick and cast stone, plain foundation, by day labor. $160,000. S. S. Levy, 35 Court St., Boston, archt. Noted Feb. 19.

Mass., Springfield—STORE and OFFICE —Tarbell Waters Co., Inc., 144 Chestnut St., 2 story and basement, 46 x 126 ft., brick, Chestnut and Bridge Sts., to E. J. Pinney Co., 374 Main St. Archts. est. $150,000.

R. I., Providence—STORE and OFFICE —T. A. O'Gorman, c/o H. R. Hunt, Westminster St., 6 story and basement, rein.-con. and brick, Westminster and Eddy Sts., to E. Turgeon, 86 Weybosset St. Archts. est. to exceed $150,000. Noted Mar. 19.

Conn., New Haven — APARTMENT — Spadoni & Co., Dewitt St., will build 2 story, 100 x 175 ft., brick and steel, by day labor. $150,000. H. S. Cannici, 82 Church St., archt.

Conn., New Haven—GARAGE—M. Langrock & R. L. Klautz, c/o A. W. Boylen, archt., 39 Center St., 2 story, brick and steel, Temple St., to Ratner, Constr. Co., 425 George St. Archts. est. $200,000. Noted Feb. 19.

N. Y., Brooklyn—THEATRE—W. Brandt, Times Bldg., New York City, brick, steel and stone, plain foundation, Flatbush Ave., to M. Shapiro & Sons, 1540 Bway., New York City. Archts. est. $350,000.

N. Y., New York—BANK and OFFICE —Harriman Natl. Bank, 527 5th Ave., 11 story, brick, steel and stone, plain foundation, 523 5th Ave., to E. Debitsch, Inc., 70 East 45th St.

N. Y., New York—LOFT—Estey Building Corp., c/o W. I. Hohauser, archt. and engr., 1400 Bway., will build 14 story, brick, steel and stone, plain foundation, 245 West 27th St., by day labor.

Pa., Donora—BANK—Bank of Donora, general contract remodeling and constructing 2 story and basement, 50 x 100 ft. and 20 x 100 ft. addition, 5th St. and McKean Ave., to Kelly & Kelly, 14th St., Long Island City, New York. Archts. est. $150,000.

Pa., Phila.—SERVICE and STORE—Willard Storage Batteries Co., 3613-21 Walnut St., 1 story and basement, 100 x 120 ft., brick and steel, plain foundation, to W. R. Graham, 3649 Filbert St.

Md., Baltimore — APARTMENT — J. H. Miller, Eutaw and Franklin Sts., (contractor), will build 14 story, 109 x 128 ft., brick and steel, plain foundation, Cloverdale Rd. and Madison Ave. $800,000. Owner's name withheld.

La., New Orleans — HOTEL — Weiss & Dreyfous, archts., Maison Blanche Bldg., general contract Jung Hotel, 10 story, concrete, brick and steel, Canal and Howard Sts., to J. V. and R. T. Burkes, Carondelet Bldg., $440,000; heating and plumbing, to Sciambra & Masino, 936 North Broad St., $103,500. Noted Mar. 5.

O., Cleveland — APARTMENT — Myark Constr. Co., 817 Guardian Bldg., will build 3 story and basement, 45 x 137 ft., brick, 1798 Crawford Rd., by day labor. $175,000. M. Weis, 617 Union Bldg., archt.

O., Cleveland — APARTMENT — Euclid-Hastings Co., c/o S. Glaser, 201 Ulmer Bldg., 4 story, 50 x 200 ft., brick, 16,001 Euclid Ave., to J. Meckler, Jr., 9602 Adams Ave. Archts. est. $200,000.

O., Cleveland—LODGE and COMMERCIAL—I. O. O. F. 5, c/o N. P. McGay, 1000 East 105th St., 3 story and basement, 65 x 125 ft., brick, steel and concrete, 1274 Lakeview Rd., to W. F. Hendrich, 2777 East 53rd St. Archts. est. $150,000.

O., Columbus—OFFICE—Richards, McCarty & Bulford, archt., 584 East Broad St., 3 story and basement, 59 x 123 ft., rein.-con. and brick, Broad St. and Lexington Ave., to Boyajohn & Barr, Brunson Bldg., for Ohio State Life Insurance Co. $220,000. Noted Mar. 19.

Mich., Detroit—MERCANTILE—Weil & Co., 301 Michigan Ave., 6 story and basement, 100 x 100 ft., rein.-con., brick, steel and terra cotta, plain foundation, West Grand Blvd., to O. Misch Co., 159 East Columbia Ave. Archts. est. $175,000.

Ill., Chicago — APARTMENT — Conleigh Building Corp., c/o Rossman & Hirschfield, archts., 64 West Randolph St., general contract 3 story and basement, 132 x 153 ft., rein.-con. and brick, plain foundation, Waller St., to C. E. Erickson, 5924 Addison St., $250,000.

Ill., Chicago — APARTMENT — T. F. Kelly, 6333 St. Lawrence Ave., general contract 3 story and basement, 150 x 200 ft., brick and stone, plain foundation, 5864 Harper Ave., to A. Lindstrum, 77 West Washington St., $250,000.

Ill., Chicago—APARTMENT—Plotke & Crosby, 111 West Washington St., general contract 3 story and basement, 100 x 165 ft., rein.-con. and brick, plain foundation, Hermitage St., to J. Graft, 3735 North Clark St., $125,000.

Ill., Chicago — APARTMENT — D. Schetnitz, c/o B. L. Steif, archt., 64 West Randolph St., general contract 3 story and basement, 108 x 125 ft., rein.-con., brick and terra cotta, plain foundation, 3347 North Ave., to Anderson & Windblad, 6235 South Michigan Ave., $98,000.

Ill., Chicago—HOSPITAL—Mount Sinai Hospital, 2226 Wabansia Ave., general contract 5 story and basement, 125 x 135 ft., rein.-con., brick, steel and stone, addition, West 15th St., to C. A. Moses Constr. Co., 133 West Washington St. $438,000.

Minn., St. Paul—STORE and OFFICE—Montgomery Ward & Co., H. W. Smith, mgr., 1400 University Ave., general contract 9 story and basement, 146 x 221 ft., rein.-con. and stone addition, to J. G. Grant Constr. Co., 904 Exchange Bank Bldg.; foundation only for above was awarded to Wells Bros. Constr. Co., 53 West Jackson Blvd., Chicago, Ill. Total $500,000. This corrects report in Nov. 13 issue.

Minn., St. Paul — WAREHOUSE and GARAGE—St. Paul Gas Light Co., F. C. Hoffman, secy., 6th and Cedar Sts., general contract 3 story and basement, 100 x 228 ft., rein.-con., brick and stone, Rice and Atwater Sts., to H. C. Struchen, 405 Dakota Bldg., approximately $150,000. Noted Mar. 5.

Colo., Denver — INFIRMARY — Natl. Jewish Home for Consumptives, Colfax St. and Colorado Blvd., general contract 3 and 4 story, 60 x 220 ft. infirmary, to C. S. Lambie, 1731 Stout St., $244,700; plumbing and heating, to Johnson-Davis Plumbing & Heating Co., 2239 Arapahoe St., $29,812. Noted Feb. 19.

Calif., Boyes Springs — THEATRE and HOTEL — Boyes Springs Co., 1 story theatre, and 2 story, approximately 200 room hotel, both rein.-con., to E. D. Meier, Cheeda Block, San Rafael, approximately $200,000.

Calif., Del Monte—HOTEL—Del Monte Properties Co., 620 Market St., San Francisco, rein.-con. (Spanish type) hotel, to Lindgren-Swinerton, Inc., Standard Oil Bldg., San Francisco, $1,500,000 (cost plus basis).

Calif., Los Angeles—APARTMENT—F. W. Siegel, Ritz Hotel, will build 4 story and basement, brick and steel, South Flower St., by day labor. $175,000.

Calif., Roscoe—CLUB—Encino Country Club, I. W. Hellman Bldg., Los Angeles, 2 story and basement, 70 x 125 ft., timber and stucco, clubhouse with concrete swimming pool, etc., to Metzger & Son, 1007 South Grand Ave., Los Angeles, $175,000.

Calif., San Francisco—APARTMENT—Stock & Jose, 251 Kearny St., will build 6 story and basement, rein.-con., Laguna and Sacramento Sts., by day labor. $150,000. Baumann & Jose, 251 Kearny St., archts.

Calif., San Francisco—APARTMENT—J. Welsh, 1 Northwood Dr., will build 6 story and basement, rein.-con., Fillmore and Washington Sts., by day labor. $175,000. Bauman & Jose, 251 Kearny St., archts.

Calif., San Pedro — HOTEL — E. Lotz, c/o M. R. Lawson, 540 South Pacific Ave., 4 story and basement, 90 x 100 ft., brick, concrete and steel hotel, to H. C. Layton, 854 West 8th St., $155,000.

Ont., Toronto — OFFICE — Dept. Pub. Wks., Parliament Bldgs., general contract 6 story and basement, 200 x 350 ft., rein.-con. and brick, plain foundation, Queens Park, to Jackson Lewis Constr. Co., Ryrie Bldg., $1,500,000. Noted Nov. 27.

Buildings—Educational, Religious

PROPOSED WORK

N. H., Concord—HIGH SCHOOL—School Comrs. plan new high school. $550,000. Engineer and architect not selected.

N. H., Keene—DORMITORY—State appropriated $250,000 for dormitories at Keene Normal School. Engineer and architect not selected.

Mass., Allston (Boston P. O.)—SCHOOL —School House Dept., T. P. Glynn, chn., Boston, plans 2 story, brick and stone, Washington-Allston Dist., near Commonwealth Ave., here. $160,000. Engineer and architect not selected.

Mass., Arlington (Boston P. O.) — CHURCH, etc.—Church of Our Savior, W. M. Bixby, pastor, 38 Marathon St., having sketches made by C. C. Coveney, 184 Boylston St., Boston, 1 and 2 story and basement, rein.-con., brick and stucco church and parish house, plain foundation. To exceed $150,000.

Mass., Boston—COMMUNITY HOUSE—Boston Baptist Mission, 523 Tremont Temple, Boston, having sketches made by Kendall, Taylor & Co., 142 Berkley St., 2 or more story, brick, Green, Hale, and Pitts Sts. $150,000. Noted Jan. 1.

Mass., Boston—MUSEUM and LECTURE HALL — Society for Prevention of New England Antiquities, Lynde St., plans to raise $150,000 remodeling old building and constructing new additions, 14-16 Lynde St. Engineer and architect not selected.

Mass., Rockport—HIGH SCHOOL—Bd. Educ., having plans prepared by J. W. Beal & Sons Co., 185 Devonshire St., Boston, 2 story and basement, brick high school. $150,000. Noted Mar. 12.

Mass., Rosindale (Boston P. O.) — SCHOOL — School House Dept., Boston, having sketches made by Walker, Walker & Kingsbury, 120 Boyleston St., Boston, 3rd Unit to Washington Irving School, 2 story and basement, brick and stone. $300,000.

Mass., Somerville — CHURCH—Swedish Lutheran Church, A. J. Hallington, pastor, 9 Mason St., raising $150,000 or more funds for 2 story, brick and stone, Dillingham St. and Bway. Engineer and architect not selected.

Mass., Walpole — HIGH SCHOOL — School Bd. and Bd. Selectmen plan 2 story

Buildings—Educational, Religious (Cont.)

and basement high school. $150,000. Engineer and architect not selected.

Mass., West Roxbury (Boston P. O.)—SCHOOL—Schoolhouse Dept., T. P. Glynn, chn., Boston, plans Kindergarten School, 1 story and basement, brick and stone, Robert School Shaw Dist., here. $150,000. Engineer and architect not selected.

Mass., Worcester—CHURCH AND PARSONAGE—Concordia Lutheran Church Society, c/o Newhall & Blevins, archts., 9 Park St., Boston, having preliminary plans prepared 2 and 1 story and basement, brick and stone church and parsonage. $150,000.

R. I., Cranston—SCHOOL—School Com., E. C. Potter, chn., City Hall, plans new school in Ward 2, Pontiac and Mersick Aves., incl. developing land for playground and yard. To exceed $150,000. Engineer and architect not selected.

Conn., Danbury — HIGH SCHOOL — Voted $495,000 bonds for new high school. J. R. Booth, judge.

Conn., New Britain — SCHOOL — City School Bd., plans school, Steele St. and Corbin Ave. $325,000. This is part of $885,000 school program.

Conn., Ridgefield — HIGH SCHOOL — Superintendent Schools, Town Hall, having plans prepared by Sunderland & Watson, 248 Main St., Danbury, local high school. $150,000.

Conn., Stamford—SCHOOL—Bd. Selectmen, C. H. Martin, having preliminary plans prepared by Allen & Chapman, 315 5th Ave., New York City, for school in Rogers Dist.

Conn., Stamford—SCHOOL—Sisters of St. Joseph, Strawberry Hill, having revised plans prepared by L. A. Walsh, 51 Leavenworth St., Waterbury, 3 story and basement, 60 x 120 ft., brick and stone, plain foundation, Strawberry Hill. $200,000. Former bids rejected. Noted Feb. 5.

N. Y., Buffalo — CHURCH — St. Johns Church, Lafayette Ave. and Bidwell Parkway, having preliminary plans prepared by Goodhue Associates, 2 West 47th St., New York City, Church, Lafayette Ave. and Bidwell Parkway. $200,000. Noted Apr. 2.

N. Y., New York—SCHOOL—Bd. Educ., 500 Park Ave., having plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., Brooklyn, brick, steel and stone addition to P. S. 40, 20th St. between 1st and 2nd Aves. $400,000.

Pa., Midland — HIGH SCHOOL — Bd. Educ. having plans prepared by W. G. Eckles, New Castle, Junior and Senior High School, 2 story and basement, 150 x 250 ft., brick on hollow tile, Beaver Ave. $300,000.

Pa., West Chester — MEMORIAL and AUDITORIUM — West Chester Normal School having plans prepared by Price & Walton, 119 South 4th St., Phila., 1 and 2 story, 64 x 162 ft., stone and steel, plain foundation, on campus. $300,000.

N. C., Goldsboro — HIGH SCHOOL — Voted $325,000 bonds new high school.

Fla., Bartow—HIGH SCHOOL—Special Tax School Dist. 3, Winter Haven, election Apr. 21, $250,000 bonds for high school.

O., Dayton—SCHOOL—Bd. Educ., C. J. Schmidt, secy., 216 Ludlow Bldg., rejected bids Mar. 17, 2 story and basement, rein.-con., brick and stone, plain foundation, Troy and Leo Sts. $500,000. Will readvertise. Noted Feb. 26.

O., Euclid—SCHOOL—Holy Cross Roman Catholic Church, T. A. Kirby, pastor, 2266 South Overlook Rd., Cleveland, having preliminary plans prepared by G. H. Ingraham, B. F. Keith Bldg., Cleveland, 2 story and basement, brick, steel and concrete, East 200th St. and Lake Shore Blvd. $150,000. Noted Feb. 19.

O., Maple Heights (mail Cleveland) — HIGH SCHOOL—Bd. Educ. having plans prepared by A. M. Allen & Co., 7016 Euclid Ave., Cleveland, 3 story and basement, brick, steel and concrete, Bway.

Ill., Chicago — HIGH SCHOOLS — Bd. Educ., J. E. Byrnes, bus. mgr., 650 South Clark St., having plans prepared by J. C. Christensen, 650 South Clark St., 7 Junior High Schools, each 250 x 471 ft., 2 and 3 story and basement, School St.; 3 story and basement with 2 story wings, Lene St.; five 2 and 3 story schools, one on Black Hawk St., one on Gilpin St., one on Wood and Lincoln Sts., one on Harvey St. and other on State and Wabash Sts., all rein.-con., and brick, plain foundation. $750,000 each.

Ill., Evanston—CHURCH—Second Presbyterian Church having preliminary plans prepared by Holmes & Flinn, 8 South Dearborn St., Chicago, 2 story and basement, 75 x 125 ft., brick and stone, plain foundation, Main St. $250,000.

Ill., Waukegan — HIGH SCHOOL — Bd. Educ. having plans prepared by Shattuck & Layer, 19 South LaSalle St., 2 story and basement, rein.-con. and brick high school and gymnasium, plain foundation. $200,000. Noted Jan. 29.

Calif., Los Angeles—LAW—Parkinson & Parkinson, archts., Title Insurance Bldg., soon take bids 3 story and basement, 120 x 120 ft., brick law building, University Campus, for University of Southern California. Noted Nov. 27.

Ont., North Bay—SCHOOL—Pub. School Bd. having plans prepared by Angus & Angus, Angus Blk., and soon takes bids 2 story and basement, 8 room, rein.-con., brick and timber, plain foundation. $150,000.

BIDS DESIRED

Mass., Boston — PARISH HOUSE and CHAPEL — Second Congregational Church, V. Dabney, pastor, 6 Melville Ave., Dorchester, taking bids 1 and 2 story and basement, brick and stone, Codman Sq. $150,000. Noted Mar. 12.

Mass., Chicopee — CHURCH — Trinity Church, Chicopee Falls, taking bids 1 story and basement, 45 x 110 ft., brick and stucco, plain foundation. $150,000. C. C. Coveney, 184 Boylston St., Boston, archt. Noted Sept. 11.

Mass., Clinton—SCHOOL—St. Mary's Polish Church, A. Borrisky, pastor, 127 Franklin St., taking bids 2 story and basement, 65 x 100 ft., brick and stone school. $150,000. J. W. Donahue, 476 Main St., Springfield, archt.

Conn., Hartford — CHURCH — German English Evangelical Lutheran Church, J. Kavasch, pastor, 107 Madison St., taking bids 1 story, 41 x 110 ft., brick and steel, Broad and Madison Sts. $150,000. G. Zunner, 230 Quaker St., South Hartford, archt.

Mass., Lowell — CHURCH — Greek Orthodox Society, c/o Ashton, Huntress & Alter, archts., 477 Essex St., Lawrence, taking bids 1 story and basement, 90 x 95 ft., brick and stone church, plain foundation, here. $150,000.

Mass., Rockport—HIGH SCHOOL—Town Bd. Selectmen taking bids 2 story and basement, 112 x 115 ft., brick and stone, on Town Green near Tarr School. $150,000. J. W. Beal & Sons Co., 185 Devonshire St., Boston, archts.

R. I., Woonsocket — HIGH SCHOOL — School Dept., City Hall, taking bids Junior High School, 2 story and basement, brick and steel. $300,000. W. F. Fountaine, 285 Main St., archt. Noted Aug. 28.

N. Y., Buffalo—SCHOOL—Apr. 23, by Bd. Educ., constructing P. S. 76, Elmwood Ave. $500,000. Bureau of School Architects, Old Central High School, archt.

N. Y., Great Neck—SCHOOL—May 4, by W. G. Genner, clk. Bd. Educ. Union Free School Dist. 7, North Hempstead, addition to school, here. W. S. Bessell, 58 West 49th St., New York City, archt.; adv. E. N.-R. Apr. 16.

N. J., Newark—HIGH SCHOOL—Apr. 23, by Bd. Educ., City Hall, 3 story and basement, 200 x 260 ft., brick and steel, plain foundation, South Orange Ave. and Kensington Pl. $750,000. Guilbert & Betelle, Chamber Commerce Bldg., archts. Noted Oct. 30.

Pa., Taylor—HIGH SCHOOL—Apr. 23, by School Dist. 1, c/o W. Thomas, secy., 2 story and basement, 123 x 150 ft., brick high school, plain foundation. $150,000. J. J. Howley, Traders Bank Bldg., Scranton, archt. Noted June 26.

O., Akron—HIGH SCHOOL—May 1, by Bd. Educ., 38 room high school, Plan A 1st section, Plan B 1st section and wing, and Plan C 1st section, wing and cafeteria, in Firestone Park, $315,000. H. T. Waller, pres.

O., Ashland—HIGH SCHOOL—Apr. 20, by Bd. Educ., J. L. Grindle, clk., 3 story, brick, steel and concrete addition. To exceed $150,000. V. Redding and associates, Bird Bldg., Mansfield, archts.

Mich., Springwells — CHURCH — Stahl, Kinsey & Hartwick, archts., 628 McKerchy Bldg., Detroit, taking bids 2 story and basement, 105 x 120 ft., brick, steel and stone, plain foundation, for Mt. Olivet Church. $150,000.

Kan., Kansas City—CHURCH—Apr. 25, by Brinkman & Steele, archts., Emporia, 1 story and basement, 60 x 144 ft., brick and carthage stone, plain foundation, Grandview Blvd., for St. Peters Catholic Parish, c/o F. M. Orr, pastor, 409 North 15th St. $150,000.

Tex., San Antonio—HOME—Protestant Churches taking bids Orphans Home, 2 story and part basement, 90 x 140 ft. rein.-con., brick and stone, plain foundation, on Bandera Rd. near Woodlawn Ave. $250,000. Adams & Adams, Gibbs Bldg., archts. Noted Mar. 2.

Calif., Los Angeles—HIGH SCHOOL—Apr. 22, by Bd. Educ., Franklin High School, rein.-con. $300,000 or more. Jeffery & Schaefer, Kerckhoff Bldg., archts. Noted Mar. 26.

BIDS RECEIVED

Pa., Sewickley — SCHOOL — Bd. Educ., general contract 3 story and basement, 90 x 240 ft. school, from H. Wimer, Butler. $256,000. Archts. est. $300,000.

O., Cleveland Heights (Warrensville P. O.)—HIGH SCHOOL—Bd. Educ., N. G. Nesbitt, dir., 1805 Lee Rd., Apr. 6, Senior High School, 3 story and basement, brick and steel, Cedar and Lee Rds., from Schirmer-O'Hara Co., 1710 Euclid Ave., Cleveland, $1,035,252. Noted Mar. 19.

O., Galion—HIGH SCHOOL—Bd. Educ., Junior High School, 2 story and basement, 127 x 238 ft., rein.-con. and brick, from A. Shurer, Sandusky, $178,088. Noted Mar. 26.

Calif., San Francisco — SCHOOL — Bd. Pub. Wks., Apr. 1, general contract Le Conte School, fireproof, Harrison St. near Precita Ave., from Anderson & Ringrose, 320 Market St., for City and San Francisco Co. $259,860. Noted Mar. 12.

CONTRACTS AWARDED

Mass., Arlington Heights (Boston P. O.) — CHURCH — St. James Roman Catholic Church, 1 story and basement, 110 x 150 ft., rein.-con., brick and stone, Appleton St., to J. M. Dolan, 237 Bway., Boston. Archts. est. $150,000. Noted Mar. 26.

Mass., Gloucester — CHURCH — St. Anthony's Roman Catholic Church, 1 story and basement, rein.-con., brick and stone, plain foundation, Louis and Farrington Sts., to Pitman & Brown, 11 Washington St., Salem. Archts. est. $160,000. Noted Mar. 19.

Mass., New Bedford—SCHOOL—Swain School of Design, 391 County St., 2 story and basement, brick and stone, Hawthorne and County Sts., to J. W. Bishop, Times Bldg. Archts. est. $150,000.

Mass., Springfield — SCHOOL — City Property Comn., 2 story and basement, 60 x 158 ft., rein.-con., brick and steel, plain foundation, Bowles Park, to Schnare Constr. Co., Inc., 318 Main St. Archts. est. $150,000. Noted Feb. 5.

R. I., Providence—HIGH SCHOOL—Pub. Buildings Com., 2 story and basement, brick high school, Washington Park, to Central Eng. & Constr. Co., 210 Main St., Pawtucket, $174,000. Engrs. est. $150,000. Noted Mar. 12.

R. I., Providence—PARISH—St. Martin's Parish, Orchard Ave., 2 story and basement, rein.-con., tile and stucco, plain foundation, Orchard Pl., to A. W. Merchant, Inc., Hospital Bldg. Archts. est. $150,000.

N. Y., Mechanicsville — SCHOOL — Bd. Educ., 4 story, 90 x 120 ft. school, Main St., to Gibbs Co., Phila., Pa., $17 940. Noted Dec. 11.

Md., Baltimore — SCHOOL — Mayor and City Council, 3 story, 83 x 142 ft., concrete and brick, plain foundation, Old Frederick Rd., to Price Constr. Co., Maryland Trust Bldg. $245,900. Noted Apr. 9.

O., Gambier—SCIENCE HALL—A. Garfield, archt., Natl. City Bldg., 3 story and basement, 83 x 123 ft., brick, steel and concrete, here, to Nolze & Norton, Columbus, for Kenyon College. Archts. est. $175,000. Noted Feb. 5.

Ill., Calumet City—SCHOOL—Bd. Educ. c/o M. Finnman, secy., 2 story and basement, 100 x 130 ft., rein.-con., brick and stone, to F. C. Rowley & Co., 332 South LaSalle St., Chicago. Archts. est. $200,000.

Ill., Chicago—SCHOOL—Bd. Educ., J. E. Byrnes, bus. mgr., 650 South Clark St., general contract 2 story and basement, 150 x 200 ft., rein.-con., brick and stone, plain foundation, Balmoral St., to Midland Constr. Co., 332 South Michigan Ave., $169,325.

Ill., Chicago—SCHOOL—Bd. Educ., J. E. Byrnes, bus. mgr., 650 South Clark St., general contract Jacques Marquette School, 2 story and basement, 150 x 200 ft., rein.-con., brick and terra cotta, plain foundation, 66th and Richmond Sts., to A. and E. Anderson, 19 South LaSalle St., $209,993.

Ill., Chicago—SCHOOL—Bd. Educ., J. E. Byrnes, bus. mgr., 650 South Clark St., general contract Mary Gage Peterson School, 2 story and basement, 150 x 200 ft., rein.-con., brick and terra cotta, plain foundation, Catalpa and Christiana Sts., to Hanson Bros., 127 North Dearborn St., $202,963. Archts. est. $400,000.

Wis., Milwaukee—SYNAGOGUE—H. H. Bruns, archt., 845 26th St., concrete work only for 2 and 1 story, concrete, brick and

Buildings—Educational, Religious (Cont.)

stone, plain foundation, Teutonia Ave., to E. Dreyer, 1008 6th St., for Beth Israel Congregation, S. Michel, 175 Queen Ann Pl. Archts. est. $185,000. Noted Mar. 19.

Ia., Creston—SCHOOL—Bd. Educ., H. W. Edaburn, pres., general contract 2 story and basement, 160 x 204 ft., rein.-con., brick and steel, to M. A. Floyd Co., 343 Northwestern Natl. Life Bldg., Minneapolis, Minn., $213,378. Noted Mar. 26.

Ia., Paullina — SCHOOL — Bd. Educ., 3 story and basement, 75 x 130 ft., brick, concrete and stone, to B. E. Short Constr. Co., 418 Court St., Sioux City. Noted Dec. 25.

Neb., Lincoln—SCHOOL—Bd. Educ., J. G. Ludlam, secy Randolph School, 2 story and basement, 26 x 32 ft., 40 x 62 ft. and 77 x 250 ft., rein.-concrete, brick and stone, 37th and D Sts., to W. J. Assenmacher, 626 North 17th St. Noted Mar. 5.

Mo., Carthage — SCHOOL — Methodist Episcopal Church, c/o W. W. King, Ozark College, 3 story and basement, 100 x 300 ft. school with 2 story wing in rear for gymnasium and swimming pool, Grand Ave., to G. F. Green, 31st and Elmwood Sts., $215,679.

Ark., Little Rock—CHURCH—Winfield Memorial Methodist Episcopal Congregation, 2 story, 125 x 145 ft., hollow tile, brick, terra cotta, etc., 16th and Louisiana Sts., to Herman & McCain Constr. Co., Reigler Bldg. Noted Mar. 12.

Federal Government Work

BIDS DESIRED

R. I., Newport—Chimneys, etc.—Apr. 22, by Quartermaster, Fort Adams, chimneys, roofing and sheet metal work, for Buildings 26, 27 and 28.

N. Y., Plattsburg—Platform, etc.—Apr. 27, by U. S. Engineer Office, Room 710 Army Bldg., 39 Whitehall St., New York City, stone platforms, steps, stairways, etc., in MacDonough Memorial, here; adv. E. N.-R. Apr. 16.

N. C., Thomasville—Post Office—May 7, by Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story, brick and tile post office, here; adv. E. N.-R. Apr. 16.

Miss., Vicksburg—Levee Work—Apr. 29, by Third Mississippi River Dist., P. O. Box 404, 950,000 cu.yd. levee work; adv. E. N.-R. Apr. 16.

Miss., Vicksburg—Rip Rap Stone—May 5, by Mississippi River Comn., P. O. Box 404, 40,000 tons rip rap stone.

Ky., Louisville — Metal Work — May 11, by U. S. Engineer Office, P. O. Box 72, metal work for Beartrap Weirs for Dam 45, Ohio River; adv. E. N.-R. Apr. 16.

Mich., Houghton—Post Office—May 6, by Treas. Dept. at office Supervising Archt., Wash., D. C., additional finish and plumbing in post office, here; adv. E. N.-R. Apr. 16.

New Mexico—Bridges—May 6, by C. H. Burke, Indian Affairs, Wash., D. C., constructing 2 steel highway bridges across Rio Grande River, at Cohiti and San Juan Indian Puebles, here.

California—Bridge—Apr. 15, by C. H. Sweetser, dist. engr. Bureau Pub. Rds., 9 Main St., San Francisco, 155 ft. deck steel truss bridge on concrete piers, with 125 ft. timber trestle approaches, over Salmon River, near Oak Flat, Siskiyou Co.

P. I., Canacao—Hospital—Spec. 5051—July 8, by Bureau Yards & Docks, Navy Dept., Wash., D. C., constructing hospital, here; adv. E. N.-R. Apr. 16.

P. R., San Juan—Wall—May 6, by U. S. Engineer Office, War Dept., Wash., D. C., reconstructing wall at San Augustine battery, here.

BIDS RECEIVED

Mass., South Boston — Capstans — Spec. 5069—Bureau Yards & Docks, Navy Dept., Wash., D. C., capstan pits, Bollard foundations and pier, from Rendle Corp., 271 Marginal St., Chelsea, (1) $14,350 (2) $160. Noted Apr. 2.

Wash., Puget Sound — Roofing — Spec. 5100—Bureau Yards & Docks, Navy Dept., Wash., D. C., roofing portion of building 84, here, from J. G. Wethers, 720 33rd Ave., Seattle, (1) $1,689 (2) $1,772. Noted Apr. 2.

Calif., San Diego—Surfacing—Spec. 5089—Bureau Yards & Docks, Navy Dept., Wash., D. C., surfacing warming up platform, here, from R. E. Burgund, Beverly Hills, $2,390. Noted Mar. 26.

H. T., Pearl Harbor — Hangars — Spec. 5046—Bureau Yards & Docks, Wash., D. C., seaplane hangers, here, from Newport Contg. & Eng. Co., Newport News, Va., (1) $227,817 (2) $282,074 (3) $121,044 (4) $146,687 (5) $142,387 (6) $6,500 (7) $6,000 (8) $3,000 (9) $1,800 (10) $1,200 (11) $9,000.

CONTRACTS AWARDED

Ala., Florence—Roofing, etc.—U. S. Engineer Office, furnishing and laying bituminous roofing for power house lead gallery at Wilson Dam, here, to Hinkle Bros. Co., 2416 Ave. E., Birmingham, Ala., $9,893. Noted Mar. 19.

La., Thibodaux—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., post office, here, to Deams & Groggin, Williamstown, Mass., $29,870. Noted Apr. 9.

Unclassified

PROPOSED WORK

Playground—Dorchester (Boston P. O.), **Mass.**—Park Dept., 33 Beacon St., Boston, plans improving Mary Hemenway Playground, here. $25,000. J. J. Murphy, Park Dept., archt.

Grandstand — West Springfield (Springfield P. O.) **Mass.**—Eastern States Exposition, Worthington St., Springfield, having plans prepared for grandstand, 400 ft. long, here. $150,000. McClintock & Craig, 33 Lyman St., Springfield, engrs.

Land Development—Cranston, R. I.—See "Buildings—Educational, Religious."

Athletic Stadium — Buffalo, N. Y. — Bd. Educ. Genesee Bldg., plans rein.-con. athletic stadium, Main St. To exceed $200,000.

Telephone Line—North Carolina—Southern Bell Telephone Co., Asheville, plans reconstructing 98 mi. Asheville-Salisbury toll line circuit. $37,000. R. N. Pfaff, Asheville, mgr.

Dock—Baton Rouge, La.—City Having plans prepared by J. W. Billingsley, consult. engr., Interstate Bank Bldg., New Orleans, 550 ft. dock extension. $350,000.

Car Barns, etc.—Cleveland, O.—Cleveland Railway Co., G. L. Radcliffe, mgr., Hanna Bldg., plans 1 story car barns, West 117th St. opposite Thrush Ave., $520,000, 1 story car barn addition, Miles Ave., $380,000; 1 and 2 story street car station and barns, Kinsman Rd., $475,000, also at Center Rd. west of Warrensville Center Rd. $460,000, all brick and steel. Engineer and architect not selected.

Lighting System — Peoria, Ill. — Plans ornamental lighting system on 5 blocks North Adams St., each side, 10 standards to the block, with hand hold plate on concrete base 24 x 24 x 24 in., of 1 part Portland cement and 4 parts gravel, 300 watt Mazda C lamps, oval globes, switches, ariel or underground feed lines, wiring and cable system, etc. $5,000. J. J. Jeffries, City Hall, engr.

Stadium—Milwaukee, Wis.—School Bd., F. Harbach, secy., had plans prepared 50 x 360 ft., rein.-con. stadium, Windlake Ave. $100,000. Van Ryn & De Gelleke, 10th and Prairie Sts., engrs. Noted Dec. 11.

Stadium and Athletic Field—Omaha, Neb.—Creighton University, 25th and California Sts., plans concrete, brick and steel stadium and athletic field, 25th and California Sts. $250,000. J. Latenser & Sons, 732 Peters Trust Bldg., archts.

Grain Elevator — Kansas City, Mo. — Chicago & Alton R.R., 340 West Harrison St., Chicago, plans 1,000,000 bu. grain elevator in Lydia Ave. yards, here. R. A. Cook, ch. engr.

Gas Mains—Winslow, Ariz.—Plans improving and extending gas mains, etc., in various streets. $50,000 bonds sold.

Wharf — Richmond, Calif. — City had plans prepared (2nd unit) municipal wharf. $80,000. E. A. Hoffman, city engr. Noted Dec. 18.

Breakwater — Leamington, Ont. — Dept. Pub. Wks., Parliament Bldg., Ottawa, having plans prepared concrete and timber breakwater, here. $30,000. K. M. Cameron, Hunter Bldg., ch. engr.

Subway—Oshawa, Ont.—City and Canadian Natl. Ry., Union Sta., Toronto having plans prepared 4 track subway with concrete abutments and steel decks, under railroad tracks on Simcoe St. $50,000. S. C. Smith, city engr. T. T. Irving, ch. engr. Canadian Natl. Ry.

Harbor Improvements, etc.—Owen Sound, Ont.—Dept. Pub. Wks. Parliament Bldgs., Ottawa, plans harbor improvements and dredging in connection with new elevator, $83,000. K. M. Cameron, Hunter Bldg., ch. engr.

Subway — Port Credit, Ont. — Town and Toronto Twp. plan subway north of here to eliminate level crossing. $30,000. G. W. Gordon, town clk.

Bathing Pools, etc. — Toronto, Ont. — Making plans bathing station at Simcoe Park, $27,000; bathing pool in Sherwood Park, $14,000; wading pool and bleachers in Earlscourt Park, $5,200; and bathing shelter at Woodbine Park $3,000. R. C. Harris, city engr.

Breakwater, etc. — Toronto, Ont. — Dept. Pub. Wks., Parliament Bldgs., Ottawa, voted $200,000 bonds, completing concrete breakwater in front of Exhibition Park, and $81,000 bonds, for improving eastern entrance to harbor. K. M. Cameron, Hunter Bldg., ch. engr.

Subway—Toronto, Ont.—Canadian Pacific Ry., Windsor Sta., Montreal, Que., having plans prepared concrete and steel subway at Royce Ave., here. $160,000. B. Ripley, Toronto, dist. engr.

BIDS DESIRED

Street Lighting System—Portage, Wis. — Apr. 28, by C. J. Loomis, city clk., for ornamental street lighting system. C. H. Shepherd, 38 South Dearborn St., Chicago, Ill., consult. engr.; adv. E. N.-R. Apr. 16.

Retaining Wall—San Francisco, Calif. — See "Streets and Roads."

Weir — Sutter City, Calif. — Apr. 27, by State Reclamation Bd., Forum Bldg., Sacramento, constructing 98 ft. timber weir 12.5 ft. high in borrow pit of east levee of Sutter By-Pass, 4 mi. south of here. Private plans.

Steel Pipe—Vancouver, B. C.—Apr. 21, by J. Stuart, purch. agt. City Hall, 12 mi. riveted steel pipe, 26, 32 and 36 in. diam

BIDS RECEIVED

Swimming Pool, etc.—Holyoke, Mass.—Bd. Pub. Wks., swimming pool and shelter house, Prospect St. Playground, from P. J. Kennedy & Co., Inc., 46 Park St., $21,000. Engrs. est. $30,000. Noted Mar. 26.

Electric Light Standards—Buffalo, N. Y.—Dept. Pub. Wks., Mar. 23, 1,200 white way standards from Union Metal Mfg. Co., 1432 Maple Ave., N. E., Canton, O., $42.50, alternate $45, and 1,000 parkway lighting standards from Canton Standard Mfg. Co., Canton, O., $26.87, both f.o.b. Canton, O., with freight prepared to Buffalo.

Tunnel Improvements—New York, N. Y.—New York State Bridge and Tunnel Comn. and New Jersey Interstate Brdge & Tunnel Comn., Woolworth Bldg., Apr. 7, glazed wall tile and enamels, slides, screws, frames, etc. for interior finish of Holland Tunnel, Contr. 7, from L. Del Turco & Bros. Inc., Harrison, N. J., 100% Domestic $909,180, 75% Domestic and 25% foreign $895,493, 50% Domestic and 50% foreign $881,805. Noted Mar. 26.

Park Improvements—Minneapolis, Minn.—Bd. Park Comrs., City Hall, improving Powderhorn Lake Par Sibley, Nicollet and Chicago Ave. Fields, from Andrews Paving Co., 3343 Colfax Ave., North Minneapolis, 85,749 ft. concrete curb at $0.58 per ft., 45,000 sq.yd. colored concrete sidewalks $1.29 and $1.33. Noted Mar. 19.

CONTRACTS AWARDED

Coal Shed, etc.—Manchester, Conn.—G. E. Willis & Son, Inc., 2 Main St., 40 x 150 ft. rein.-con. and steel coal shed, 20 ft. high, trestle, conveyor, spur track, tower, etc., Main St., to Gifford Wood Co., 24 Milk St., Boston, Mass. Archts. est. $50,000. Noted Mar. 19.

Inspection Sheds—New York, N. Y.—Bd. Transportation, 49 Lafayette St., constructing inspection shed in Westchester Ave. and 239th St. yards, to D. C. Serber, 1123 Bway., $512,248. Noted Apr. 9.

Gas Holder—Manitowoc, Wis.—Wisconsin Fuel & Light Co., R. C. Douglas, 808 South Commercial St., mgr., will build rein.-con., brick and steel gas holder, Chicago St., by day labor. $40,000.

Transmission Line—Texas—See "Buildings—Industrial under New Braunfels."

Plumbing and Heating—Denver, Colo.—See "Buildings—Commercial."

Street Lighting System — Culver City, Calif.—Street lighting system on portions of Adams St. and Washington Blvd., to H. H. Walker, 1800 West 12th St., Los Angeles, approximately $63,250.